

# The Gazette of India



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**NOTICE**

The undermentioned Gazettes of India Extraordinary were published during the week ending the 6th February 1952:—

Issue No.	No. and date	Issued by	Subject
22	S. R. O. 143, dated the 25th January 1952.	Ministry of Labour	Proposals relating to minimum rates of wages payable to certain categories of workers.
23	S. R. O. 144, dated the 25th January 1952.	Ministry of Food and Agriculture.	Amendments made in the Cattle Fodder (Movement Control) Order, 1951.
24	S. R. O. 145, dated the 7th January 1952. S. R. O. 146, dated the 7th January 1952.	Ministry of States. Ditto.	Persons specified as members of the family of the Ruler of Bijna State. Extension of the Assam Motor Vehicles Taxation Act, 1938, to the State of Manipur with modifications.
25	S. R. O. 150, dated the 28th January 1952.	Ministry of Finance. (Rev. Divn.)	Amendments made in the Notifications No. 3-Salt, dated the 29th March 1947.
26	S. R. O. 151, dated the 28th January 1952. S. R. O. 152, dated the 28th January 1952.	Ministry of Food and Agriculture. Ministry of Works, Production and Supply.	Rescission of Paddy Straw Prohibition Order, 1951. Authorisation of certain persons to perform the functions of Competent authorities in the specified areas.
27	S. R. O. 153, dated the 30th January 1952.	Ministry of Labour	Proposals relating to minimum rates of wages payable to certain classes of employees employed in certain Railways.

Issue No.	No. and date	Issued by	Subject
28	S.R.O. 210, dated the 30th January 1952.	Ministry of Law	The Constitution (Removal of Difficulties) Order No. II (Fourth Amendment) Ord. r.
29	S.R.O. 211, dated the 31st January 1952.	Ditto.	Corrections made in the Delimitation of Council Constituencies (West Bengal) Order, 1951.
	S.R.O. 212, dated the 31st January 1952.	Ministry of Commerce and Industry.	Extension of permission for a further period of one month to the Newsprint Control Order, 1951.

Copies of the Gazettes Extraordinary mentioned above will be supplied on indent to the Manager of Publications, Civil Lines, Delhi. Indents should be submitted so as to reach the Manager within ten days of the date of issue of this Gazette.

## PART II—Section 3

### Statutory Rules and Orders issued by the Ministries of the Government of India (other than the Ministry of Defence) and Central Authorities (other than the Chief Commissioners).

#### MINISTRY OF LAW

New Delhi, the 9th February, 1952

S.R.O. 215.—In exercise of the powers conferred by clause (1) of article 299 of the Constitution, and in supersession of the notification of the Government of India in the Ministry of Law No. F. 35-I/50-L, dated the 26th January, 1950, the President hereby directs that the undermentioned contracts and assurances of property made in the exercise of the executive powers of the Union may be executed on his behalf as follows:—

I.—In the case of all Ministries of the Central Government (including their attached and subordinate offices) and the Parliament Secretariat:—

Contracts and other instruments relating to advances for the purchase of motor cars; by the authorities granting the advances other than the Ministry of Defence, in respect of which the procedure prescribed in Pay and Allowances Regulations for the Army in India, Part II, shall be observed.

II.—In the case of the Ministry of Commerce and Industry:—

1. Agreements with Mills in connection with the allotment of cotton; by the Deputy Chief Controller of Imports, Bombay.

2. (a) All contracts and instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery, etc.;

(b) Security bonds for due performance and completion of work;

(c) All instruments connected with the reconveyance of property given as security; and

(d) All instruments relating to the execution of works of all kinds connected with the additions and alterations to buildings and plants and with foundations and housing of machinery and electric and sanitary installations;

by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Commerce and Industry, Textile Commissioner, Deputy Textile Commissioner, Directors, Deputy Directors, Assistant Directors (Grade I) or Assistant Directors (Grade II).

3. Security bonds for the due performance of their duties by Government servants; by the Secretary, Joint Secretary or Deputy Secretary to the Central

**Government in the Ministry of Commerce and Industry, Textile Commissioner or the Deputy Textile Commissioner.**

4. Leases of houses, land, or other immovable property; by the Secretary, Joint Secretary, or Deputy Secretary to the Central Government in the Ministry of Commerce and Industry, Textile Commissioner, Deputy Textile Commissioner, Chairman, Patents Advisory Committee, Iron and Steel Controller or the Administrative Officer, Iron and Steel Control.

5. All Service Agreements; by the Secretary, Joint Secretary, or Deputy Secretary to the Central Government in the Ministry of Commerce and Industry, Textile Commissioner, Deputy Textile Commissioner or India's Envoy Extraordinary and Minister Plenipotentiary in the Federal Republic of Germany.

6. All contracts and instruments relating to disposal of surplus, obsolete and waste stores located in India and belonging to the Defence Services, Civil Departments of the Government of India, State Governments or quasi Government institutions such as Port Trusts, Port Commissioners etc., the Government of the United Kingdom or other Foreign Governments and which are controlled categories of iron, steel and textiles items only;

by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Commerce and Industry, Textile Commissioner, Deputy Textile Commissioner, Directors, Deputy Directors, Assistant Directors (Grade I), Assistant Directors (Grade II), Iron and Steel Controllers, Deputy Iron and Steel Controllers, Assistant Iron and Steel Controllers, Deputy Assistant Iron and Steel Controllers, Price and Accounts Officer, Deputy Price and Accounts Officer or Assistant Accounts Officer.

7. All agreements and instruments relating to the appointment and control of stock holders and rerolling mills and supply of steel materials by such stock holders and mills; by the Iron and Steel Controller.

8. Miscellaneous contracts and instruments; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Commerce and Industry, the Director or the Deputy Director (Cloth).

9. Contracts and other instruments relating to the Cottage Industries Directorate; by the Development Officer or the Deputy Development Officer, Cottage Industries Directorate.

### III.—In the case of the Ministry of Communications:—

A.—Security bonds for the due performance of their duties by Government servants; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Communications.

B.—In the case of the Railway Inspectorate (subject to any limits fixed by the Central Government):—

(a) All instruments relating to the purchase or hire, supply or conveyance of materials, stores, machinery, plant, telephone lines and connections, coal, etc;

(b) Agreements or leases for the hire of buildings required for the Railway Inspectorate for periods not exceeding one year; and

(c) Service agreements with subordinate staff including class IV servants;

by the Chief Government Inspector or Government Inspectors of Railways.

### C.—In the case of the Government of India Overseas Communications Service.—

All contracts and other instruments relating to the business of, and all agreements or leases for the hire of buildings and lands for, the Overseas Communications Service; by the General Manager, Overseas Communications Service.

D.—In the case of the Indian Posts and Telegraphs Department (subject to any limits fixed by the Central Government):—

1. Contracts and other instruments relating to the business of the Posts and Telegraphs Department, except those hereinafter mentioned; by the Director-General, Posts and Telegraphs.

2. Contracts and other instruments relating to the business of the Posts and Telegraphs Department managed by a Postmaster-General or the Additional Chief Engineer, Technical and Development Circle or a Director, Posts and Telegraphs or a Director, Postal Services in charge of a circle or the Engineer-in-Chief and General Manager, Telephones or a General Manager, Telephones or a District Manager, Telephones or the General Manager, Posts and Telegraphs Workshops or the Chief Controller of Telegraph Stores or the Senior Electrical Engineer or the Chief Electrician, Wireless or the Manager, Bombay Telephone Workshop or a Superintendent of Telegraph Workshops or a Divisional Engineer, Telegraphs or a Divisional Engineer, Telephones or a Controller of Telegraph Stores; by such Postmaster-General or Additional Chief Engineer, Technical and Development Circle or Director, Posts and Telegraphs or Director of Postal Services in charge of a circle or Engineer-in-Chief and General Manager, Telephones or General Manager, Telephones or District Manager, Telephones or General Manager, Posts and Telegraphs Workshops or Chief Controller of Telegraph Stores or Senior Electrical Engineer or Chief Electrician, Wireless or Manager, Bombay Telephone Workshop or Superintendent of Telegraph Workshops or Divisional Engineer, Telegraphs or Divisional Engineer, Telephones or Controller of Telegraph Stores.

3. All contracts, deeds and other instruments relating to the business of the Post Offices within their management and jurisdiction subject to the conditions and limits fixed by the Director-General, Posts and Telegraphs; by Superintendents of Post Offices or Railway Mail Service or First Class Postmasters or Senior Superintendent of Post Offices or Railway Mail Service.

4. All contracts, deeds and other instruments relating to the business of the Posts and Telegraphs Department within their management and jurisdiction subject to the conditions and limits fixed by the Director-General, Posts and Telegraphs; by the Engineer-in-Chief and General Manager, Telephones or the General Manager, Posts and Telegraphs Workshops, Calcutta or the Chief Controller of Telegraph Stores, Calcutta or the Divisional Engineer, Telegraphs or the Divisional Engineer, Telephones or the Superintendent, Telegraphs Workshops, Alipore or Jubbulpore or the Manager, Bombay Telephone Workshops, Bombay or the Contract Officer in the Telephone Districts.

5. Agreements or leases for hire of buildings and lands for the purpose of the Posts and Telegraphs Department or for letting out Departmental lands and buildings; by the Postmasters-General or the Engineer-in-Chief and General Manager, Telephone; or the Additional Chief Engineer, Technical and Development Circle or the Director, Posts and Telegraphs or the Director, Postal Services in charge of a circle or the General Manager, Telephones or the District Manager, Telephones or the General Manager, Posts and Telegraphs Workshops or the Chief Controller of Telegraph Stores or the Senior Electrical Engineer or the Chief Electrician, Wireless or the Divisional Engineers, Telegraphs or the Divisional Engineers, Telephones or the Controller of Telegraph Stores or the Superintendent of Telegraph Workshops, Alipore or Jubbulpore or the Manager, Bombay Telephone Workshop, Bombay or the Superintendent of Post Offices or Railway Mail Service or First Class Postmasters or Senior Superintendent of Post Offices or Railway Mail Service.

6. Contracts for telephone connections in Calcutta, Bombay, Madras and Delhi Telephone Districts, subject to the conditions and limits fixed by the Director-General, Posts and Telegraphs; by the General Manager, Telephones or the Engineer-in-Chief and General Manager, Telephones or the District Manager, Telephones or the Divisional Engineer, Telephones or the Traffic Superintendent or the Superintending Engineers or the Executive Engineers or the Contract Officers of the Telephone Districts.

7. Contracts for telephone connections other than those in Calcutta, Bombay, Madras and Delhi Telephone Districts, subject to the conditions and limits fixed by the Director-General, Posts and Telegraphs; by the Divisional Engineering Accountants.

8. Policies of Postal Life Insurance and Endowment Assurance; by the Director of Postal Life Insurance, Calcutta or the Assistant Director of Postal Life Insurance, Calcutta.

**E.—In the case of the India Meteorological Department:—**

1. All contracts, deeds or other agreements relating to the execution of works and repairs to Meteorological buildings including sanitary, water supply and electrical installations within the following monetary limits:—

- (a) Rs. 2,500/- in the case of original works and special repairs to buildings which are under the administrative control of the India Meteorological Department;
- (b) Rs. 200/- in the case of additions or alterations to buildings which are under the administrative control of the India Meteorological Department; and
- (c) Rs. 300/- in respect of electrical installations and Rs. 1,000/- in respect of sanitary and water supply installations to buildings under the administrative control of the India Meteorological Department at places where there is no staff of the Central Public Works Department;

by the Director-General of Observatories in India.

2. Security bonds for the due performance of their duties by Government servants; by the Director General of Observatories, the Deputy Director General of Observatories, Instruments and Supplies, New Delhi, the Deputy Director General of Observatories, Climatology and Geophysics, Poona, the Deputy Director General of Observatories, Forecasting, Poona, the Director, Regional Meteorological Centre, Bombay, the Director, Regional Meteorological Centre, Calcutta, the Director, Regional Meteorological Centre, Delhi, the Director, Regional Meteorological Centre, Madras, the Director, Regional Meteorological Centre, Nagpur or the Director, Colaba and Alibag Observatories.

**F.—In the case of the Civil Aviation Department:—**

1. (a) All contracts and instruments relating to subsidies to Flying Clubs, loan of airplanes equipment or other Government property to Flying Clubs and aircraft operators; and

(b) All contracts with private firms relating to the maintenance and upkeep of Inspection Equipment;

by the Director General of Civil Aviation.

2. (a) All instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery, etc.;

(b) All instruments relating to the execution and the maintenance of works of all kinds connected with aerodromes and air routes including buildings, roads, electric and water installations, fences, earthworks, the erection and maintenance of machinery, lighting apparatus and other equipment;

(c) Security bonds for the due performance and completion of works in respect of civil aviation; and

(d) Leases of houses, buildings, rooms and plots of land on civil aerodromes and landing grounds, for grazing cattle on aerodromes, for fishing rights on civil aviation lands, for the cultivation of civil aviation land and instruments relating to the sale of grass, trees, or other produce on civil aviation lands;

by the Director-General, all Deputy Directors General, all Directors, Principal, Civil Aviation Training Centre, Allahabad, all Deputy Directors, all Controllers of Aerodromes, all Senior Aerodrome Officers or Aerodrome Officers in the Civil Aviation Department.

3. All instruments relating to the execution and the maintenance of works of all kinds connected with Aeronautical Communication Stations including the installation of masts and aerials; by all Controllers of Communication, Controller of Central Radio Stores Depot, Controller of Radio Construction and Development Units, Deputy Controller of Radio Construction and Development Units, all Senior Technical Officers, all Senior Communication Officers, all Communication Officers or all Technical Officers.

4. Agreements with trainees at the Flying Clubs and the Civil Aviation Training Centre, Allahabad and trainees under any other scheme of training approved by the Government of India; by the Director General of Civil Aviation or the Deputy Directors General of Civil Aviation.

5. Security bonds for the due performance of their duties by Government servants; by the Director of Administration.

#### IV.—In the case of the Ministry of Defence:—

A.—Contracts and other instruments for Services and Establishments under the control of the Master General of the Ordnance:—

1. Agreements entered into in India with Civilian Labour Officers in Services and Establishments under the control of the Master General of the Ordnance; by the Secretary to the Central Government in the Ministry of Labour.

2. Contracts and other instruments for the Technical Development Establishments:—

- (i) All contracts, deeds and other instruments other than leases of houses, land and other immovable property for the Technical Development Directorate, including Technical Development Establishments; by the Master General of the Ordnance, the Director of Technical Development, the Chief Superintendents of Development, the Superintendents of Development, the Superintendent of Proof and Experiments, the Chief Inspector of Military Explosives, the Inspector of Metal and Steel, the Inspector of General Stores or the Assistant Inspectors of General Stores.
- (ii) Leases of houses, land or other immovable property, purchases or leases of harvesting and fishing rights on the Estate of the Proof and Experimental Establishment, Balasore; by the Superintendent, Proof and Experimental Establishment, Balasore.
- (iii) Agreements entered into with Civilian non-Gazetted staff other than those enumerated in item 1 under Head E below, employed under the administrative control of the Director of Technical Development; by the Director of Technical Development.

3. Contracts and other instruments for the Corps of Indian Electrical and Mechanical Engineers:—

- (i) Agreements entered into with all civilian non-gazetted staff other than those enumerated in item 1 under Head E below, employed under administrative control of the Director of Mechanical Engineering; by the Officer-in-Charge, Indian Electrical and Mechanical Engineers, Records.

4. Contracts and other instruments for the Indian Army Ordnance Corps:—

- (i) Contracts for washing of textiles and repairs to garments and tentage and contracts for repair of screens, cooling chicks coarse and fine, to all Units in India; by the Secretary to the Central Government in the Ministry of Defence, the Master General of the Ordnance, Command Area/Independent Sub Area/Station Commanders or Officers of the Indian Army Ordnance Corps other than Departmental Officers.
- (ii) Agreements entered into in India with all civilian non-gazetted staff under the administrative control of the Director of Ordnance Services; by the Officer-in-Charge, Indian Army Ordnance Corps, Records.
- (iii) All instruments connected with the reconveyance of property given as security; by the Director of Ordnance Services or Officers Commanding Indian Army Ordnance Establishments/Units.

B.—Contracts for the Medical Department:—

1. Agreements entered into in India with nursing officers of the Indian Military Nursing Service; by the Director General, Armed Forces Medical Service.

2. Agreements with Matrons of Military Families Hospitals in India; by the Officer Commanding the Military Hospital concerned.

3. Agreements with temporary hospital storekeepers; by the Officer Commanding a Medical Unit, the Assistant Director of Medical Services of Area or Independent Sub-Area or the Commandant, Armed Forces Medical College.

4. Contracts for the supply of X-Ray apparatus, X-Ray accessories, films and chemicals procured in the local Markets for use in X-Ray departments of Military Hospitals; by the Director General, Armed Forces Medical Service.

5. Agreements entered into with all civilian non-gazetted staff employed in Medical Store Depots under the administrative control of the Director General, Armed Forces Medical Service; by the Director General, Armed Forces Medical Service.

6. Agreements with Medical anti-malaria and nursing personnel, Sanitary Inspectors and with Lady Sub-Assistant Surgeons; by the Director of Medical Services, Army/Navy/Air Force.

7. Agreements with sanitary non-gazetted staff and labour; by the Officers Commanding Hospitals, Officer-in-Charge, Station Hygiene Organisation or Officers Commanding, Anti-Malaria Units and Field Hygiene Sections.

8. Agreements entered into for the printing of posters, etc. for malaria propaganda; by the Director of Medical Services, Army/Navy/Air Force.

C.—Contracts and other instruments for services under the control of the Quartermaster General:—

1. Contracts for the supply of labour; by the Secretary to the Central Government in the Ministry of Defence, the Quartermaster General, Command/Areas/Independent Sub-Area Commanders or Embarkation Commandants.

2. Contracts for the Indian Army Service Corps (including the Mechanical Transport Services):—

(a) Contracts for supplies and transport services for the Army Service Corps (including requirements for other services and Departments) and the Services to, and purchase from the Army Service Corps;

(b) Contracts for conveyance of Military passengers on hill roads by motor vehicles;

(c) All instruments connected with the reconveyance of property given security; and

(d) Agreements, other than those entered into in India, with civilian employees for a specified period of service in the Army Service Corps; by the Secretary to the Central Government in the Ministry of Defence, the Quartermaster General, General Officers Commanding-in-Chief, Commands, General Officers Commanding Areas, Commanders, Independent Sub Areas/Sub Areas, Director of Supplies and Transport, Brigadiers, Army Service Corps, Commands, Commanders, Army Service Corps, Areas, Deputy Assistant Director of Supplies and Transport, Independent Sub-Areas/Sub Areas or any other Army Service Corps Officer duly authorised by a General Officer Commanding, Areas or Commander, Independent Sub Area/Sub Area.

3. Contracts and other instruments for the Remount and Veterinary Services of the Remounts, Veterinary and Farms Corps:—

(i) Agreement with shippers for landing horses and mules in India; by the Quartermaster General.

(ii) (a) Contracts for undertaking the sale of Government animals rejected from the Remount, Veterinary and Farms Corps;

(b) Contracts for the occupation or leasing of land; and

(c) Contracts for the sale of hides of animals died/destroyed in Remount Units; by Officers Commanding of Remount Depots, Remount Grass Farm or District Remount Officers of Breeding Areas.

(iii) (a) Contracts for forage or stores; and

(b) Contracts for petty works at Remount Depots, Remount Grass Farm and Breeding Areas; by the Director of Remounts, Veterinary and Farms, Officers Commanding of Remount Depots, Remount Grass Farm or District Remount Officers of Breeding Areas.

(iv) All instruments connected with the reconveyance of property given security; by the Officers Commanding of Remount Depots, Remount Grass Farm or District Remount Officers of Breeding Areas

**4. Contracts and other instruments for the Farms Service of the Remounts Veterinary and Farms Corps:—**

- (i) Agreements entered into in India with civilian non-gazetted employees for a specified period of service in the Military Farms; by the Quartermaster General.
- (ii) Leases of land, purchases or leases of harvesting or cutting rights and renewal of such leases, where the period of each lease or each separate renewal does not exceed:—
  - (a) five years; by the Director of Remounts, Veterinary and Farms.
  - (b) twelve months; by the Assistant Director of Remounts, Veterinary and Farms.
- (iii) Contracts for supplies and services to, and purchases from, the Military Farms; by the Secretary to the Central Government in the Ministry of Defence, the Quartermaster General, the Director of Remounts, Veterinary and Farms, or the Assistant Director of Remounts, Veterinary and Farms.

**D.—In the Military Engineer Services (subject to any limits fixed by the Central Government):—**

1. (a) All instruments relating to purchase, supply and conveyance or carriage of materials stores, machinery, hiring of accommodation, etc.;
- (b) All instruments relating to the execution of works of all kinds connected with buildings, bridges, roads, canals, tanks, reservoirs, docks and harbours, and embankments and Aerodromes, and all instruments relating to the construction of water works, sewage, and the erection of machinery;
- (c) Security bonds for the due performance and completion of works;
- (d) Security bonds for the due performance of their duties by Government servants, whom the officers specified below have power to appoint;
- (e) Leases for grazing cattle on canal banks or roadsides, for fishing in a canal, for the cultivation of land, leases of water for irrigation and other purposes, and leases of water power, and quarries and instruments relating to the sale of grass, trees, or other produce on roadsides or in plantations;
- (f) Leases of houses, land or other immovable property not being land or other immovable property entrusted to the management of the Military Estates Officer, provided that the rent reserved does not exceed Rs. 5,000 a month;
- (g) All instruments connected with the reconveyance of property given as security;
- (h) Instruments connected with the collection or farming of tolls at bridges or ferries or other means of communication provided by the State Government;
- (i) Agreements for the recovery of fines on account of drift wood or other timber passing into a canal; and
- (j) Agreements with temporary and permanent non-gazetted civilian personnel; by the Engineer-in-Chief, Chief Engineer of Commands, Deputy Chief Engineers when specially authorised by a Chief Engineer, Commanders Works Engineers, Garrison Engineers or Officers Commanding Engineer Stores Depot.
2. Agreements for private connections to Military Engineer Service water supply systems in military stations; by the Garrison Engineer.
3. Agreements for non-military connections to Military Engineer Services electrical installations; by the Garrison Engineer.
4. Agreements or memoranda of terms for taking a supply of electric energy or water from an outside source for Military buildings when the annual payment in the case of each station does not exceed Rs. 1,000 and the payment of the security deposit is not involved; by the Commander Works Engineers.
5. Agreements entered into in India with civilian mechanics and others for a specified period of service in the Military Engineer Services; by the Engineer-in-Chief.

6. All deeds and instruments relating to any matters other than those specified in items 1 to 5; by the Secretary to the Central Government in the Ministry of Defence.

E.—General Instruments and Contracts:—

1. Agreements with clerks, copyists, draughtsmen, accountants, cashiers, agents and store-keepers whom the officer is empowered to appoint; by any Commissioned or Gazetted Officer.

2. Contracts for the supply of hot weather establishments and other temporary labour; by the Officer Commanding a fully self-accounting unit, the Officer Commanding a sanatorium, the Officer-in-Charge of a hospital, the Officer Commanding an Air-Force Station or Wing, or the Air or other Officer Commanding a Command or Group.

3. Contracts for petty supplies to hospitals; by officers in charge of hospitals.

4. Contracts for supply of dairy produce; by Officers Commanding a District, Independent Brigade or Station.

5. Cinema Contracts; by the Officer Commanding a Station.

6. Contracts and Instruments relating to claims arising out of vehicular collisions including Agreements with Insurers in respect thereof; by the Secretary to the Central Government in the Ministry of Defence.

7. Orders and other instruments made and executed in the case of Ordnance and Clothing Factories under the Directorate General of Ordnance Factories in the Ministry of Defence:—

(i) (a) All contracts and instruments relating to purchase, supply and conveyance, or carriage of materials including electricity, gas and water, stores, machinery, etc. and also making of garments and other articles of clothing;

(b) Security bonds for due performance and completion of work;

(c) All instruments connected with the reconveyance of property given as security;

(d) All instruments relating to the execution of works of all kinds connected with the additions and alterations to buildings and plants and with foundations and housing of machinery and electric and sanitary installations;

(e) Leases of houses, land, or other immovable property; and

(f) All leases and agreements relating to sale of rights (e.g. grazing rights, grass cutting rights, selling rights within the Factory Estate, etc.);

by the Director General, Ordnance Factories, Deputy Directors General, Ordnance Factories, Assistant Directors General, Ordnance Factories, Superintendents and Officers-in-Charge of Ordnance and Clothing Factories or S.O.I.E. (Factories).

(ii) Security bonds for the due performance of their duties by Government servants; by Director General, Ordnance Factories, Deputy Directors General, Ordnance Factories, or Assistant Directors General, Ordnance Factories.

(iii) All Service Agreements; by Director General, Ordnance Factories.

8. Orders and other instructions made and executed in the case of the Ministry of Defence Secretariat and Armed Forces Headquarters:—

(i) All contracts and instruments relating to purchase, hire, supply and conveyance, or carriage of materials including electricity, water, stores, machinery etc.;

(ii) Security bonds for due performance of their duties by Government Servants; and

(iii) All Service Agreements;

by the Chief Administrative Officer, Ministry of Defence.

9. Agreements entered into with all civilian Gazetted staff employed under the administrative control of the Ministry of Defence excluding those under the Director General of Ordnance Factories; by the Secretary or the Joint Secretary to the Central Government in the Ministry of Defence.

10. Agreements entered into with all civilian non-gazetted staff, unless otherwise specified in this notification; by the officers authorised to appoint the persons concerned.

**F.—Contracts and instruments relating to Cantonments:—**

**1. Leases and surrender deeds:—**

- (a) of land in cantonments belonging to Government, the executive management of which has not been entrusted to the Cantonment Board under the Cantonment Land Administration Rules, 1937; by the Military Estates Officer.
- (b) of land in cantonments belonging to Government, the executive management of which has been entrusted to the Cantonment Board under the Cantonment Land Administration Rules, 1937; by the Executive Officer.

**2. Leases of houses appropriated by Government under the provisions of the Cantonments (House Accommodation) Act, 1923; by the Officer Commanding the Station.**

**3. All documents relating to proprietary rights of Government in land in Cantonments; by the Military Estates Officer.**

**4. Agreements for private connections to water supply systems in cantonments under the control of the Military Engineer Services or the Public Works Department; by the Garrison Engineer, or the Public Works Department Divisional Officer.**

**5. All contracts, deeds and other instruments relating to supplies and services to, or purchases from, the Canteen Stores Department (India); by the Chairman, Board of Administration, Canteen Stores Department.**

**G.—Agreements relating to the leases of land and the purchase or sale of immovable property (land and buildings):—**

**1. Agreements for the purchase or sale of immovable property on behalf of the Army, Navy or Air Force; by Military Estate Officers.**

**2. Agreements for the leasing of land or the sale of Defence Ministry's assets created during the war on hired, requisitioned or acquired land not being land or other immovable property entrusted to the management of the Military Estate Officer; by the Director, Lands Hirings and Disposals, Deputy Directors, Lands Hirings and Disposals Service or the Area Lands Hirings and Disposals Officers.**

**H.—Contracts and instruments relating to property other than houses, land and other immovable property outside Cantonments but under the management of the Military Estates Officer:—**

- (a) Licenses for a period not exceeding one year; and
  - (b) other contracts with the exception of sale deeds;
- by the Military Estates Officer in charge of such property.

**I.—Contracts and instruments relating to the Hastings Military Lands Scheme, Calcutta:—**

All contracts and instruments relating to lands; by the Collector of the District of the 24-Parganas.

**J.—Contracts relating to the Indian Navy and Indian Troop Service:—**

1. (a) Contracts for conveyance of troops, military stores, etc.; and
- (b) Charter parties (hire of transport for conveyance of troops, etc.);

by the Commander-in-Chief, Indian Navy, in his capacity as Director, Indian Sea Transport Service for Sea Transport Service (Indian) or by his Deputy in this capacity.

**2. Agreements for permanent and temporary employment other than the employment of civilian gazetted officers; by the officers authorised to appoint the persons concerned.**

**3. All contracts relating to purchase, supply and conveyance or carriage of miscellaneous Naval Stores, materials, provisions, machinery, medical comforts and coal, sailmaking, auction, sale business, sawing of timber, sewing of uniform clothing and initial alteration thereto, removal of coal ashes and garbage from Indian ships, scraping and cleaning of boilers of Indian ships, scraping, chipping and painting of underwater fittings of Indian ships, bunkering and removing coal, removing and disposing of coal dust by sale or otherwise, washing, repairing and restuffing troop bedding, cleaning and painting troop decks, stevedorage, hire of motor vehicles, deck covering of Indian ships, supply and repair of furniture and execution of all electrical, mechanical and building works in the I.N. Dockyard, Bombay, cobbler contracts, washing of sick bay linen, etc., by the Commander-in-Chief, Indian Navy, or the Commodore-in-Charge, Bombay, or the Commodore-in-Charge, Cochin, or the Captain Superintendent of the Dockyard, or the Naval Officer-in-Charge, Vizagapatam and in cases where the Sea**

**Transport Service is concerned, by the Commander-in-Chief, Indian Navy, in his capacity as Director, Indian Sea Transport Service, for Sea Transport Service (Indian) or his Deputy in this capacity, or by the Sea Transport Officers at Calcutta and Madras.**

**4. Contracts relating to the overtop bunkering of Indian Ships in Indian Ports; by the Commander-in-Chief, Indian Navy, Commodore-in-Charge, Bombay, Commodore-in-Charge, Cochin, the Naval Officer-in-Charge of the Port or the Resident Naval Officer at the Port.**

**K.—Contracts for the Indian Air Force:—**

**1. (a) Contracts for the recovery of exploded practice bombs or expended bullets from Indian Air Force bombing ranges; by the Officers Commanding, Indian Air Force Station.**

**(b) Contracts and other instruments relating to tailoring, laundry, dry-cleaning, repair and maintenance of Air Force equipment, conservancy services, messing, canteen and supply of authorised equipment, e.g. condiments, distilled water, brooms, sweeping and other equipment authorised to be purchased locally at Indian Air Force Stations; by the Officer Commanding a Station or Wing, the Air or other Officer Commanding a Group or a Command, the Air Officer-in-Charge, Technical or Equipment Services, or Air Officer-in-Charge, Personnel and Organisation, Air Headquarters.**

**L.—All contracts and instruments relating to disposal of surplus and obsolete stores (other than controlled items of iron, steel and textiles) located in India and belonging to the Defence Services not exceeding Rs. 5,000 in value in a single category, and waste stores i.e. Salvage and Scrap, without any limit; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Defence, Officers Commanding, Supply Depots, Officers Commanding, Advance Base Supply Depots, Officers Commanding, Reserve Petroleum Depots, Officers Commanding, Advance Base Petroleum Depots, Officers Commanding, Petroleum Contract Platoons, Officers Commanding, Supply/Petroleum Depots, Officers Commanding Petroleum Platoons, Director of Remount, Veterinary and Farms, Assistant Directors, Remount, Veterinary and Farms, Master General of the Ordnance, Director of Ordnance Services, Deputy Director of Ordnance Services, Assistant Directors of Ordnance Services, Deputy Assistant Directors of Ordnance Services, Staff Captains of Ordnance Services, Commandants of Ordnance Depots, Brigadiers, Ordnance Command Headquarters, Engineer-in-Chief, Director of Engineer Stores and Plant, Chief Engineers, Command Headquarters, Commanding Works Engineers, Garrison Engineers (including those Commanding Engineer Park), Officers Commanding, Engineer Stores Depots, for the Indian Army, Director General, Armed Forces Medical Services, Assistant Director General (Equipment and Stores), Armed Forces Medical Services, Officers Commanding Armed Forces Medical Stores Depots, Commodore-in-Charge, Cochin, Naval Officer-in-Charge, Vizagapatam, the Resident Naval Officers, Madras and Calcutta, the Captain Superintendent, Indian Navy Dockyard, Bombay, Naval Store Officer, Bombay, Deputy/Assistant Naval Store Officers, Bombay, Deputy/Assistant Naval Store Officer, Vizagapatam, Director of Equipment/Deputy Director of Equipment, Air Headquarters, Commanding Officers of Indian Air Force Stations/Units, the Director General, Ordnance Factories, or the Superintendents or Officer-in-Charge, Ordnance and Clothing Factories.**

**V.—In the case of the Ministry of Education:—**

**A.—In the case of the Department of Archaeology:—**

**1. Leases of archaeological monuments, lands, stalls and shops, purchases or leases of cutting and harvesting rights in archaeological gardens, compounds, etc., leases and instruments for transfer of control of protected monuments and lands attached to them; by the Director General of Archaeology in India or Superintendents, Department of Archaeology.**

**2. All contracts, deeds or other instruments relating to the execution of works and repairs to protected monuments and other immovable property; by the Director General of Archaeology in India in respect of all sanctioned original works or repairs, or by Superintendents, Department of Archaeology when the cost of sanctioned works does not exceed Rs. 10,000.**

**3. Agreements under section 5 of the Ancient Monuments Preservation Act, 1904 (VII of 1904); by Collectors of Districts.**

**B.—In the case of the Department of Anthropology:—**

1. All contracts, deeds or other agreements relating to the execution of works and repairs to buildings of the Department of Anthropology including sanitary, water supply and electrical installations within the following monetary limits:—

- (a) Rs. 5,000/- in the case of original works and special repairs to the buildings which are under the administrative control of the Department of Anthropology;
- (b) Rs. 500/- in the case of additions and alterations to buildings under the administrative control of the Department of Anthropology; and
- (c) Rs. 500/- in the case of electrical installations and Rs. 1,500/- in the case of sanitary and water supply installations to buildings under the administrative control of the Department of Anthropology;

*by the Director, Department of Anthropology.*

2. All instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery etc., and repairs thereof; *by the Director or the Deputy Director, Department of Anthropology.*

3. All instruments relating to the execution of works of all kinds connected with buildings and estates in charge of the Department; *by the Director or Deputy Director, Department of Anthropology.*

4. Security bonds for the due performance of their duties by Government servants whom the Director, Department of Anthropology has power to appoint; *by the Director, Department of Anthropology.*

5. Agreements for the publication of documents in European or Oriental languages through the Universities or private agencies; *by the Director, Department of Anthropology.*

**C.—In the case of the Delhi Polytechnic:—**

(i) Security bonds in connection with the employment of office cashier, store-keepers, chief store-keeper and other subordinates whom he has power to appoint, required to handle cash, stores and valuables in the course of their official work;

(ii) Leases for the maintenance of Delhi Polytechnic play grounds and instruments relating to the sale of dry trees planted in the compounds of the Delhi Polytechnic;

(iii) Contracts and other instruments for petty construction in connection with the erection and installation of machinery, which are not under the purview of the Public Works Department.

(iv) Contracts and other instruments for the supply of stores and machinery when the cost does not exceed Rs. 1,000/- in each case;

(v) Contracts for the delivery of consignments;

(vi) Bonds in connection with the award of Government stipends to the All India Diploma and Delhi Polytechnic Diploma passed students of the Delhi Polytechnic during the practical training of one year;

(vii) Agreements entered into with outside parties in connection with analytical work done in the Delhi Polytechnic laboratories;

(viii) Contracts regarding the sale of articles produced in the workshops and laboratories of the Delhi Polytechnic; and

(ix) Agreements relating to the running of refreshment rooms within the premises of the Delhi Polytechnic;

*by the Principal, Delhi Polytechnic.*

**D.—In the case of the National Archives of India:—**

Agreements for the publication of documents in the custody of the National Archives of India through the Universities or private agencies; *by the Director of Archives, Government of India.*

**E.—In the case of the Lawrence School, Lovedale, Nilgiris and the Lawrence School, Sanawar (Simla Hills):—**

Security Bonds in connection with the employment of office cashiers, store-keepers and other subordinates required to handle cash, stores and valuables in the course of their official work and whom the respective Principals have power to appoint; *by the Principal of the School concerned.*

## VI.—In the case of the Ministry of External Affairs:—

1. Agreements with members of the establishment of the Indian Consulate General at Jeddah; by the Consul General for India in Saudi Arabia at Jeddah.
2. Agreements for conveyance of Indian Post Office mails in Nepal; by the Ambassador of India in Nepal.
3. All agreements, deeds and other instruments relating to the business of the Emigration Department; by the Controller General of Emigration or Protector of Emigrants (subject to any limit fixed by Departmental orders).
4. Agreements or leases for the purchase or hire of buildings and land required for the accommodation of the offices, officers and staff of the Indian diplomatic missions in foreign countries, such as offices of the High Commissioners, Deputy High Commissioners and Commissioners, Embassies, Legations, Consulates-General and Consulates; by the Heads of the Missions or any other officer of a Mission authorised by the Head of that Mission. In the case of Vice-Consulates, the authority to execute contracts and assurances of property should rest with the Head of the Indian Mission in that country.
5. Security bonds for the due performance of their duties by Government servants employed in the Indian diplomatic missions in foreign countries, such as offices of the High Commissioners, Deputy High Commissioners and Commissioners, Embassies, Legations, Consulates-General and Consulates; by the Heads of the Missions concerned.
6. Agreements entered into with Contract Officers for a specified period of service in the Ministry of External Affairs; by the Secretary or Joint Secretary to the Central Government in the Ministry of External Affairs.

## VII.—In the case of the Ministry of Finance:—

## A.—In the case of Treasuries, Accounts and Audit Offices:—

1. Security bonds or mortgage-deeds given as security in connection with the employment of officers as Treasurers and Shroffs in District or Sub-district Treasuries and agreements entered into with such officers; by Collectors or Deputy Commissioners of Districts.
2. Security bonds or mortgage-deeds given as security in connection with the employment of Treasurers, Cashiers or Clerks, charged with the disbursement of money or the custody and handling of securities; by the Head of the Office.
3. Instruments relating to the re-assignment of insurance policies which are assigned to the Governor-General before the 26th January, 1950 and the President on or after that date in accordance with the rules regulating the General Provident Fund; by the Account Officer of the Fund, as defined in the rules of the Fund.
4. Deeds of reconveyance of security given by Shroffs in District and Sub-district Treasuries; by Collectors or Deputy Commissioners of Districts.
5. Government securities; by the Governor or a Deputy Governor of the Reserve Bank of India.
6. Deeds of transfers of shares held by the Governor-General before the 26th January, 1950 and the President on or after that date and endorsements of dividend warrants relating to such shares; by the Secretary to the Central Government in the Ministry of Finance.
7. Contracts and instruments relating to the Bombay Military Lands Scheme; by the Accountant General, Bombay.
8. Service agreements with the Cost Accounts Officers under the administrative control of the Joint Secretary, Ministry of Finance (Industries and Commerce Division); by the Joint Secretary, Ministry of Finance (Industries and Commerce Division).

## B.—In the case of the India Security Press and the Currency Note Press:—

1. (a) Contracts for the purchase and supply of stores and building materials and for the provision of labour, indentures to bind apprentices of India Security Press and the Currency Note Press for a definite term;
- (b) Contracts for the sale of worn out stores and other waste products;
- (c) Agreements with temporary establishments; and
- (d) Mortgage deeds given as security in connection with the employment of cashiers, store-keepers, chief inspectors, inspectors, and assistant inspectors charged with the disbursement of money or the custody and handling of securities and other valuables;

by the Master, India Security Press and ex-officio Controller of Stamps, Nasik Road.

2. Contracts for works administratively approved by the Ministry of Finance; by the Master, India Security Press, Nasik Road.

C.—In the case of the India Government Mints at Calcutta and Bombay and the New Mint at Alipore, Calcutta:—

1. (a) Contracts for the purchase and supply of stores and building materials and matters incidental thereto, for the provision of labour and indentures to bind apprentices at the Mint for a definite term;

(b) Contracts for the sale of worn out stores and ashes and other waste products; and

(c) Agreements with temporary establishment;

by the Mint Masters, Calcutta and Bombay and the Officer-in-Charge, Construction, New Mint, Alipore, Calcutta.

D.—In the case of the Office of the National Savings Commissioner:—

1. Agreements with Authorised Agents appointed for selling National Savings Certificates issued under the Small Savings Scheme of the Government of India; by the authorities appointing the Authorised Agents.

2. Government securities pledged by the Authorised Agents for the due performance of their duties; by the National Savings Commissioner.

3. Security bonds for the due performance of their duties by the District Organisers or the Lady Organisers appointed under the Small Savings Scheme of the Government of India; by the National Savings Commissioner.

VIII.—In the case of the Ministry of Finance (Defence):—In the case of the Defence Accounts Department:—

1. All instruments connected with the reconveyance of property given as security; by the Controller General or the Controllers or the Joint Controllers of Defence Accounts in the Defence Accounts Department.

2. Agreements for the hire of houses required for accommodation of Defence Accounts Officers; by the Controllers or the Joint Controllers of Defence Accounts in the Defence Accounts Department.

3. Service agreements with the Government servants in the Defence Accounts Department whether permanent or temporary; by the Controller General or the Controllers or the Joint Controllers of Defence Accounts in the Defence Accounts Department.

4. Contracts and deeds connected with any other business of the Defence Account Department; by the Controller General or the Controllers or the Joint Controllers of Defence Accounts in the Defence Accounts Department.

IX.—In the case of the Ministry of Finance (Revenue Division):—

A.—In the case of the Income-tax Department:—

Contracts and instruments relating to the Income-tax Department; by Commissioners of Income-tax.

B.—In the case of the Central Excise Collectorates:—

1. (i) All contracts, deeds or other instruments relating to the business of the Central Excise Collectorates; by the Collector or the Deputy Collector of Central Excise.

(ii) Contracts for the lease of land in the control of the Central Excise Collectorates, where such lease is otherwise permissible; by the Collector or the Deputy Collector of Central Excise.

(iii) Contracts or other instruments for the purchase, supply and conveyance of furniture, stores etc.; by the Collector or the Deputy Collector of Central Excise or the Assistant Collector of Central Excise in charge of a Division.

(iv) Leases of land and leases and surrender of buildings or other immovable property; by the Collector or the Deputy Collector of Central Excise.

(v) Security bonds in connection with the employment of office cashiers and other subordinates who are required to handle Government money in the course of their official work; by the Collector or the Deputy Collector of Central Excise.

2. Contracts and other instruments for the purchase, supply and conveyance or carriage of building materials, stores, machinery, etc. and contracts for petty

construction and repairs and for public works of every description which are executed by the Central Excise Collectorate, Bombay; by the Collector or the Deputy Collector of Central Excise, Bombay or the Assistant Collector in charge of a Division.

**3. In the case of the Statistics and Intelligence Branch (Central Excise):—**

All contracts, deeds and instruments relating to the business of the Statistics and Intelligence Branch (Central Excise); by the Deputy Collector in charge, Statistics and Intelligence Branch (Central Excise).

**C.—In the case of the Customs Department:—**

1. Security bonds executed by clerks, shroffs at out ports in Madras State; by the Superintendents of the respective Customs Circles.

2. Bonds and guarantees submitted by importers and exporters in connection with the clearance or export of goods; by the Collectors of Customs or the Assistant Collectors of Customs.

3. All contracts, deeds and other instruments relating to the business of the Customs Department other than those specified in items 1 and 2 above; by the Collectors of Customs.

**D.—In the case of the Opium Department:—**

1. All contracts, deeds or other instruments relating to the business of the Office of the Narcotics Commissioner; by the Narcotics Commissioner.

2. Security bonds in connection with the employment of office cashiers and other subordinates who are required to handle Government money in the course of their official work; by the Narcotics Commissioner.

3. Contracts for the purchase, supply and conveyance or carriage of building materials and stores and contracts for petty construction and repairs and for public works of every description which are not executed by the Public Works Department; by the Manager of the Factory, Ghazipur or the Assistant Collector (Opium), Neemuch.

4. Contracts for the supply of weightment articles and leases of agricultural land attached to opium buildings within the jurisdiction of District Opium Officers; by the District Opium Officers.

5. Contracts for miscellaneous stores, chemicals and apparatus, mangowood chests, plant and scantlings for packing of opium; by the Manager of the Factory, Ghazipur or the Assistant Collector (Opium), Neemuch.

6. Contracts and other instruments relating to the business of the Opium Department other than those specified in items 1, 2, 3, 4 and 5 above; by the Deputy Collector of Central Excise (Opium) or the Narcotics Commissioner.

**E.—In the case of the Directorate of Inspection (Income-tax):—**

Security bonds in connection with the employment of office cashiers and other subordinate staff who are required to handle Government money in the course of their official work; by the Director of Inspection (Income-tax).

**F.—In the case of the Directorate of Inspection (Customs and Central Excise):—**

Security bonds in connection with the employment of office cashiers and other subordinates who are required to handle Government money in the course of their official work; by the Director of Inspection (Customs and Central Excise).

**X.—In the case of the Ministry of Food and Agriculture:—**

**1. In the case of the Agriculture Division:—**

**A.—In the case of the Tubewell Sub-division (subject to any limits fixed by the Central Government):—**

(I) (a) All instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery, etc.;

(b) all instruments relating to the execution of works of all kinds connected with the construction of tube-wells;

(c) bonds of auctioneers and security bonds for the due performance and completion of works; and

(d) security bonds for the performance of their duties by Government servants whom the officers specified below have power to appoint;

by a Secretary to Government, Deputy Irrigation Adviser to the Government of India, Assistant Engineer or Drilling Engineer-in-charge of a sub-division.

(ii) All instruments connected with the reconveyance of any property given as security; by the Deputy Irrigation Adviser to the Government of India.

(iii) Agreements relating to the loan of tools and plants to contractors and others; by the Deputy Irrigation Adviser to the Government of India.

B.—In the case of the Survey of India:—

(i) Contracts and other instruments relating to advances for the purchase of conveyances; by the Surveyor General.

(ii) Agreements or leases for hire of buildings required for the Survey of India for periods not exceeding one year; by Directors, Deputy Surveyor General, Deputy Directors or President, Geodetic and Research Branch.

(iii) All instruments relating to purchase, supply, and conveyance or carriage of materials, stores, machinery, etc. and repairs thereof; by the Surveyor General, Directors, Deputy Surveyor General, Deputy Directors, President, Geodetic and Research Branch or Deputy Stores Officers, Survey of India.

(iv) All instruments relating to execution of works of all kinds connected with buildings and estates in the charge of the Department; by the Surveyor General or Directors.

(v) Security bonds for the due performance of their duties by Government servants whom the officers specified below have power to appoint; by the Surveyor General, Deputy Surveyor General, Directors, Deputy Directors or President, Geodetic and Research Branch.

C.—In the case of the Indian Research Institutes:—

(i) Contracts and other instruments relating to the Indian Agricultural Research Institute and its sub-stations; by the Director, Indian Agricultural Research Institute, New Delhi.

(ii) Contracts and other instruments relating to the Central Potato Research Institute, Patna and its sub-stations; by the Director, Central Potato Research Institute, Patna.

(iii) Contracts and other instruments relating to the Central Rice Research Institute, Cuttack; by the Director, Central Rice Research Institute, Cuttack.

(iv) Contracts and other instruments relating to the Indian Veterinary Research Institute, Izatnagar and Mukteswar; by the Director, Indian Veterinary Research Institute, Izatnagar and Mukteswar.

(v) Contracts and other instruments relating to the Indian Dairy Department; by the Director of Dairy Research, Bangalore.

(vi) Contracts and other instruments relating to the Cattle-cum-Dairy Farm, Karnal; by the Superintendent, Cattle-cum-Dairy Farm, Karnal.

(vii) Contracts and other instruments relating to the business of the Directorate of Plant Protection, Quarantine and Storage and agreements with State Governments, quasi Government bodies, individuals and commercial firms in India for the service of plant protection experts employed in the Directorate of Plant Protection, Quarantine and Storage; by the Plant Protection Adviser to the Government of India.

(viii) Contracts and other instruments relating to the Locust Control Organisation in India; by the Director, Locust Control, India.

(ix) Contracts and other instruments relating to the Indian Council of Agricultural Research; by the Vice-President Indian Council of Agricultural Research.

(x) Contracts and other instruments relating to the Forest Research Institute and Colleges, Dehra Dun; by the President, Forest Research Institute and Colleges, or such Branch or other Officers of the Forest Research Institute and Colleges as are empowered by the President, on his behalf, up to a limit of Rs. 5,000 in each case.

(xi) Contracts and other instruments relating to the Pilot Deep Sea Fishing Station, Bombay; by the Superintendent Engineer, Pilot Deep Sea Fishing Station, Bombay.

(xii) Contracts and other instruments relating to the Central Marine Fisheries Research Station, Mandapam Camp; by the Chief Research Officer, Central Marine Fisheries Research Station, Mandapam Camp.

(xiii) Contracts and other instruments relating to the Central Inland Fisheries Research Station, Barrackpore; by the Chief Research Officer, Central Inland Fisheries Research Station, Barrackpore.

D.—In the case of the Central Tractor Organisation (subject to any limits fixed by the Central Government):—

(i) (a) All instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery etc.;

(b) all instruments relating to the execution of works of all kinds connected with the repairs of machinery and reclamation of land; and

(c) bonds of auctioneers and security bonds for the due performance of their duties by Government servants whom the officers specified below have power to appoint: *by a Secretary to Government, Chairman, Chief Engineer, Chief Accounts Officer, Director of Administration, Director of Stores, Divisional Agricultural Engineers, Mechanical Engineers, or Assistant Engineers.*

(ii) All instruments connected with the reconveyance of any property given as security; *by Chairman, Chief Accounts Officer, Director of Administration, Director of Stores, Divisional Agricultural Engineers or Mechanical Engineers.*

(iii) Agreements relating to the loans of tools and plants to contractors and others; *by Director of Stores or Divisional Agricultural Engineers.*

(iv) Agreements for catering contracts or for the protection of conveyances belonging to the Staff working in Public Buildings, *by Director of Administration, Mechanical Engineers or Divisional Agricultural Engineers.*

(v) Agreements or leases for hire of buildings required for the Central Tractor Organisation for periods not exceeding one year; *by Divisional Agricultural Engineers.*

## 2. In the case of the Food Division.—

(i) (a) All contracts and instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery, etc.;

(b) Security Bonds for due performance and completion of work; and

(c) All instruments connected with the reconveyance of property given as security;

*by the Secretary, Additional Secretary, Director General of Food, Deputy Director General of Food, Joint Secretary or Deputy Secretary, Regional Directors (Food), the Chief Director of Purchase, the Directors of Purchase, Deputy Directors of Purchase or Assistant Directors of Purchase.*

(ii) (a) All instruments relating to the execution of works of all kinds connected with the additions and alterations to buildings and plants and with foundations and housing of machinery and electric and sanitary installations; and

(b) Security bonds for the due performance of their duties by Government servants;

*by the Secretary, Additional Secretary, Director General of Food, Deputy Director General of Food, Joint Secretary or Deputy Secretary or the Chief Director of Purchase.*

(iii) (a) Leases of houses, lands or other immovable property; and

(b) All Service Agreements;

*by the Secretary, Additional Secretary, Director General of Food, Deputy Director General of Food, Joint Secretary or Deputy Secretary, Regional Directors (Food) or the Chief Director of Purchase.*

(iv) All instruments and contracts relating to disposal of offal belonging to Government; *by the Secretary, Additional Secretary, Director General of Food, Deputy Director General of Food, Joint Secretary, Deputy Secretary, Regional Directors (Food), Chief Director of Purchase, Director of Purchase, Deputy Director of Purchase or Assistant Director of Purchase.*

## XI.—In the case of the Ministry of Health:—

### 1. Contracts and other instruments for the Medical Store Depots:—

(a) All Contracts and instruments relating to purchase, supply and conveyance or carriage of medical stores, machinery, etc.; *by the Director General of Health Services, Assistant Director General of Health Services (Stores) or Deputy Assistant Directors General (Medical Stores), Medical Store Depots.*

(b) All Instruments relating to the execution of works of all kinds connected with the additions and alterations to buildings and plants and foundations and housing of machinery and electric and sanitary installations; *by the Director General of Health Services, Assistant Director General of Health Services (Stores) or Deputy Assistant Directors General (Medical Stores), Medical Stores Depots.*

## 2. In the case of the Port Health Organisation under the Central Government:—

Contracts for the supply of articles of dead stock or poultry supplies or for the sale of useless, unclaimed or confiscated articles; by the Port Health Officers, Madras, Bombay, Calcutta, Vishakapatnam and Cochin or the Airport Health Officers, Bombay Airport (Santa Cruz) and Calcutta Airport (Dum Dum).

## 3. In the case of the All India Institute of Hygiene and Public Health, Calcutta, Central Research Institute, Kasauli, Central Drugs Laboratory Calcutta and E.C.G. Vaccine Laboratory, Guindy, Madras:—

Contracts for the supply of articles of food, fodder, etc., for animals or of other articles required for laboratory work; by the Directors of the respective institutions.

## 4. In the case of the College of Nursing, New Delhi:—

Contracts for the supply of foodstuffs, vegetables, provisions etc. for the mess of the College Hostel; by the Principal, College of Nursing, New Delhi.

## 5. In all other cases pertaining to the Directorate General of Health Services and the offices subordinate to it:—

All deeds and instruments relating to any matter other than those herein-before specified; by the Director General of Health Services.

## XII.—In the case of the Ministry of Home Affairs:—

Security bonds for the due performance of their duties by Government servants; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Home Affairs; Director, Intelligence Bureau; Inspector General, Delhi Special Police Establishment; Commandant, Central Police Training College, Abu.

## XIII.—In the case of the Ministry of Information and Broadcasting:—

## 1. Agreements entered into in India with gazetted officers in the General Central Services Class II for a specified period of service in the Press Information Bureau; by the Principal Information Officer.

## 2. All contracts and instruments relating to the business of the Publications Division; by the Distribution Officer, Publication Division.

## 3. In the case of the Films Division (subject to the conditions laid down by the Central Government):—

(i) All contracts for the exhibition by cinemas of films approved and released by the Government of India; by the Officer-in-charge of Distribution, Films Division, Bombay.

(ii) Contracts and other instruments for the production of films for Government by private producers; by the Chief Producer, Films Division, Bombay.

(iii) Contracts to be entered into with artists engaged by the Films Division in connection with the production of films; by the Chief Producer, Films Division, Bombay.

## 4. In the case of All-India Radio (subject to the conditions laid down by the Central Government):—

(i) Contracts and other instruments relating to All-India Radio; by the Director General, All-India Radio, Station Directors of All-India Radio or the Joint Station Director, Delhi.

(ii) Contracts relating to advertisements in radio journals and wrapping and despatch of radio journals; by the Editor or the Assistant Editor.

(iii) Contracts to be entered into with artists engaged by All-India Radio; by the Director of News Services, the Director of External Services, the Senior Deputy Director of News Services, Administrative Officer, News Services Division, the Deputy Directors, External Services, All-India Radio, the Assistant Station Director or where there is no Assistant Station Director, by the Programme Executive of All-India Radio for Station Director of All-India Radio.

## 5. Security bonds for the due performance of their duties by Government servants whom the officers specified below have power to appoint; by the Director General, All India Radio, the Principal Information Officer, the Director, Publications Division or the Chief Producer, Films Division.

## 6. Contracts and instruments pertaining to the business of the Advertising Branch; by the Advertising Consultant or the Deputy Advertising Consultant.

XIV.—in the case of the Ministry of Labour:—

A.—All Service agreements; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Labour.

B.—In the case of the Chief Labour Commissioner (Central) and the Regional Labour Commissioner (Central):—

Security bonds for the performance of their duties by Government servants whom the Chief Labour Commissioner (Central) or the Regional Labour Commissioner (Central) has power to appoint; by the Chief Labour Commissioner (Central) or the Regional Labour Commissioner (Central) as the case may be.

C.—In the case of Standing Industrial Tribunals of the Central Government appointed under the Industrial Disputes Act, 1947:—

Security bonds for the performance of their duties by Government servants whom the Chairman of the Tribunal has power to appoint; by the Chairman of the Tribunal.

D.—In the case of the Gorakhpur Labour Organisation under the Directorate General of Resettlement and Employment:—

Agreements for the supply of blankets, cloth etc.; by the Regional Director of Resettlement and Employment, Uttar Pradesh or the Additional Deputy Director (Labour), Gorakhpur.

E.—In the case of the Organisation of Coal Mines Labour Fund:—

(i) Contracts and other instruments relating to purchase and transfer of lands, buildings etc., the execution and maintenance of works of all kinds and any matter other than those hereinbefore specified in respect of the activities of the Coal Mines Labour Welfare Fund Organisation in Coal Fields throughout India; and

(ii) Security bonds for the due performance and completion of works;

by the Coal Mines Welfare Commissioner

F.—In the case of the Director, Labour Bureau:—

Security bonds for the due performance of their duties by Government servants whom he has power to appoint; by the Director, Labour Bureau.

XV.—In the case of the Ministry of Law:—

Contracts and other instruments relating to Income-tax Appellate Tribunal; by the President, Income-tax Appellate Tribunal.

XVI.—In the case of the Ministry of Natural Resources and Scientific Research:—

A.—All service agreements; by the Secretary, Additional Secretary or Deputy Secretary to the Central Government in the Ministry of Natural Resources and Scientific Research.

B.—In the case of the Indian School of Mines and Applied Geology, Dhanbad:—

1. Bonds indemnifying owners of mines and oilfields against claims by students under the Workmen's Compensation Act, 1923; by the Principal, Indian School of Mines and Applied Geology.

C.—In the case of the Central Water and Power Commission (subject to any limit fixed by Departmental orders):—

1. (a) All instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery etc.;

(b) All instruments relating to the execution of works of all kinds connected with buildings, bridges, roads, canals, tanks, reservoirs, docks and harbours and embankments and instruments relating to the construction of water-works, sewage works, the erection of machinery and the working of coal mines;

(c) Bonds of auctioneers and security bonds for the due performance and completion of works; and

(d) Security bonds for the performance of their duties by Government servants whom the officers specified below have powers to appoint;

by the Secretary to Government, Chairman, Members, Chief Engineers, Directors Project Officers, Superintending Engineers, Secretary, Assistant Consulting Engineer, Deputy Directors Executive Engineers, Assistant Executive Engineers, Assistant Engineers or Sub Divisional Officers

2. Leases for grazing cattle on canal banks or road sides, for fishing in canals, for the cultivation of lands, leases of water for irrigation and other purposes, leases of water power and instruments relating to sale of grass, trees or other produce on road sides or in plantations; by Chairman, Chief Engineers, Directors, Project Officers, Superintending Engineers, Secretary, Assistant Consulting Engineer, Executive Engineers or Sub-Divisional Officers.

3. (a) Leases of houses, land or other immovable property provided that the rent reserved shall not exceed Rs. 5,000 a month;

(b) All instruments connected with the reconveyance of property given as security;

(c) Agreements for the recovery of fines on account of drift wood or other timber passing into a canal; and

(d) Agreements relating to crossing on canals, roads and bunds.

by Chairman, Chief Engineers, Directors, Superintending Engineers, Project Officers, Executive Engineers, Secretary, Assistant Consulting Engineer or Deputy Directors.

4. Instruments connected with the collection or farming of tolls at bridges or ferries or other means of communication; by Chairman, Members, Chief Engineers, Directors, Project Officers, Superintending Engineers, Secretary, Assistant Consulting Engineer, Deputy Directors or Executive Engineers.

5. Agreements relating to the loan of tools and plant to contractors and others; by Superintending Engineers, Project Officers, Directors, Deputy Directors, Secretary or Divisional Officers.

6. Agreements for catering contracts in hostels and mess rooms or for the protection of conveyance, belonging to the staff working in public buildings; by Chief Engineers, Directors, Secretary, Assistant Consulting Engineer or Executive Engineers.

7. Instruments relating to the sale of immovable property (lands and buildings) the book value of which does not exceed Rs. 10,000; by Chairman.

8. Agreements with retail distributors for the distribution of rationed articles; by Chairman, Members, Secretary or Chief Engineers.

9. All deeds and instruments relating to any matters other than those specified in items 1 to 8; by the Secretary or Additional Secretary to the Central Government in the Ministry of Natural Resources and Scientific Research.

XVII.—In the case of the Ministry of Railways (subject to any limits fixed in Departmental orders):—

A.—1. All instruments relating to purchase or hire, supply and conveyance of materials, stores, machinery plant, telephone lines and connections, coal, etc.; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Deputy Chief Engineers, Chief Transportation Superintendents, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Divisional Superintendents, Superintendents of Works, Executive Engineers, Divisional Engineers, Colliery Superintendents, Chief Electrical Engineers, Senior Electrical Engineers, Chief Mechanical Engineers, Bridge Engineers, Signal and Interlocking Engineers, Signal Engineers, Track Supply Officers, Controllers of Stores, Deputy Controllers of Stores, District Controllers of Stores or Assistant Controllers of Stores, attached to the Controller of Stores Office, of Government Railways, the Director, Railway Clearing Accounts Office, Sleeper Control Officers of the Eastern Group, or the Chief Mining Engineer with the Railway Board or the Works Manager, Tatanagar.

2. All instruments relating to the execution of works of all kinds connected with railways, open or under construction; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Deputy Engineers-in-Chief, Chief Engineers, Deputy Chief Engineers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Divisional Superintendents, Superintendents of Works, Executive Engineers, Divisional Engineers, District Engineers, Sub-Divisional Officers, Colliery Superintendents, Chief Electrical Engineers, Senior Electrical Engineers, Chief Mechanical Engineers, Bridge Engineers, Signal and Interlocking Engineers, Signal Engineers, Track Supply Officers, Controllers of Stores, Deputy Controllers of Stores, or District Controllers of Stores, of Government Railways, or the Chief Mining Engineer with the Railway Board or the Works Manager, Tatanagar.

3. Security bonds for the due performance and completion of works; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Deputy Chief Engineers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Divisional Superintendents, Superintendents of Works, Executive Engineers, Divisional Engineers, Colliery Superintendents, Chief Electrical Engineers, Senior Electrical Engineers, Chief Mechanical Engineers, Superintendents, Mechanical Workshops, Bridge Engineers, Signal and Interlocking Engineers, Signal Engineers, Track Supply Officers, Controllers of Stores, Deputy Controllers of Stores, or District Controllers of Stores, of Government Railways, or the Chief Mining Engineer with the Railway Board.

4. Instruments relating to contracts for the transport of passengers, goods and coaching traffic by transport agents for the sale of tickets by tourist or other agents authorised by Railways, or for working ferries and ferry steamers in connection with the working of railway and contracts connected with loading and unloading, stacking and delivery of goods and parcels and of Railway stores and materials including loco coal or for other matters necessary for or incidental to Railway working; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Engineers, Chief Traffic Managers, Engineers-in-Chief, Deputy Chief Engineers, Bridge Engineers, Signal Engineers, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Traffic Managers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Chief Mechanical Engineers, District Mechanical Engineers, Chief Electrical Engineers, Senior Electrical Engineers, Track Supply Officers, Controllers of Stores, Deputy Controllers of Stores, District Controllers of Stores, Colliery Superintendents, Divisional Traffic Managers, or Divisional Superintendents, of Government Railways, or the Chief Mining Engineer with the Railway Board.

5. Instruments connected with the collection or farming of tolls at bridges or ferries or other means of communication provided by the Railway; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Bridge Engineers, Signal Engineers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Traffic Managers, Divisional Superintendents, Superintendents of Works, Executive Engineers, Colliery Superintendents or Divisional Engineers, of Government Railways.

6. Leases of houses, land or other immovable property, provided that the rent reserved shall not exceed Rs. 5,000 a month. (Leases of small branch lines of Railways are excluded from this item); by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Deputy Engineers-in-Chief, Chief Engineers, Deputy Chief Engineers, Chief Commercial Managers, Commercial Managers, Deputy Commercial Managers, Chief Transportation Superintendents, General Traffic Managers, Traffic Managers, Divisional Superintendents, Divisional Commercial Officers, District Traffic Superintendents, Superintendents of Works, Executive Engineers, Divisional Engineers, District Engineers, Colliery Superintendents or Chief Mechanical Engineers, of Government Railways, the Chief Mining Engineer with the Railway Board or the Director, Railway Clearing Accounts Office, the President, Colony Committee, Golden Rock or the Station Executive Officer, Kharagpur.

7. Agreements or leases with outsiders for grazing cattle, for fishing in railway tanks, for cultivation of water-nuts or for irrigation, and instruments relating to the sale of grass, trees or other products on railway land; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Deputy Chief Engineers, District Engineers, Chief Commercial Managers, Commercial Managers, Traffic Managers, Divisional Superintendents, Superintendents of Works, Executive Engineers, Colliery Superintendents or Divisional Engineers, of Government Railways, or the Chief Mining Engineer with the Railway Board or the Station Executive Officer, Kharagpur.

8. Agreements for licenses to outsiders for laying pipe-lines or for building wharves, or for crossing Railway land and track by means of overhead transmission lines or underground cables, or for stocking stones, coal, firewood, etc., on Railway land or for erecting bulk oil depots, etc., in connection with the working of traffic carried on Railways; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Deputy Engineers-in-Chief, Chief Engineers, Deputy Chief Engineers, Chief Commercial Managers, Commercial Traffic Managers, Deputy Chief Commercial Managers,

**Commercial Managers, Deputy Commercial Superintendents, General Traffic Managers, Traffic Managers, Goods Superintendents, Divisional Traffic Managers, Divisional Superintendents, Divisional Commercial Officers, District Traffic Superintendents, Chief Mechanical Engineers, Superintendents of Works, Executive Engineers, Colliery Superintendents, Divisional Engineers, or District Engineers, of Government Railways.**

9. Contracts connected with the sale of scrap, ashes and stores; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Engineers, Engineers-in-Chief, Deputy Chief Engineers, Chief Electrical Engineers, Senior Electrical Engineers, Bridge Engineers, Signal and Interlocking Engineers, Signal Engineers, Locomotive Superintendents, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Traffic Managers, Carriage and Wagon Superintendents, Chief Mechanical Engineers, Divisional Superintendents, Divisional Engineers, Controllers of Stores, Deputy Controllers of Stores, or District Controllers of Stores, of Government Railways, the Chief Mining Engineer with the Railway Board, or the Director, Railway Clearing Accounts Office.

10. (a) Agreements including Running Power Agreements for the Interchange of traffic with other State Railways; and

(b) Agreements with private or guaranteed Railway Companies, Tramway Companies and other carrying companies;

by General Managers or Chief Administrative Officers of Government Railways.

11. Agreements with Covenanted Inspectors, Engine-drivers, Foremen and other mechanics on the expiry of the term of their original covenants; by General Managers, Chief Administrative Officers, Deputy General Managers, Locomotive Superintendents, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Carriage and Wagon Superintendents, Chief Engineers, Chief Mechanical Engineers, Deputy Chief Engineers, Bridge Superintendents, Mechanical Workshops, Divisional Superintendents or Electrical Engineers, of Government Railways.

12. Agreements with monthly non-pensionable subordinate employees on State Railways defining the terms and conditions of service to be entered into on entering the service of Government including agreement for apprentice drivers and other apprentices in the subordinate service; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Divisional Superintendents, Superintendents, Watch and Ward Department, Superintendents of Works, Executive Engineers, Executive Engineers Signals, Divisional Engineers, Chief Medical and Health Officers, Deputy Chief Medical and Health Officers, Medical Officers, Superintendents, Mechanical Workshops, Works Managers, Assistant Works Managers Signals, Deputy Chief Engineers, Locomotive Superintendents, Deputy Locomotive and Carriage Superintendents, District Locomotive and Carriage Superintendents, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Chief Traffic Managers, Traffic Superintendents, Traffic Managers, Deputy Chief Traffic Managers, District Traffic Superintendents, Assistant Traffic Superintendents, Chief Commercial Managers, Commercial Managers, Carriage and Wagon Superintendents, Chief Mechanical Engineers, Deputy Chief Mechanical Engineers, Chief Electrical Engineers, Signal Engineers, District Electrical Engineers, Assistant Electrical Engineers, Printing Superintendents, Controllers of Stores, Deputy Controllers of Stores, District Controllers of Stores, Track Supply Officers, Colliery Superintendents, Divisional Traffic Managers, Divisional Personnel Officers, Assistant Personnel Officers, Superintendents Staff, Bridge Engineers, Financial Advisers and Chief Accounts Officers, Deputy Chief Accounts Officers, Divisional Accounts Officers, Workshops Accounts Officers, Stores Accounts Officers, or Statistical Officers, of Government Railways, the Director, Railway Clearing Accounts Office, the Deputy Director, Railway Clearing Accounts Office, or the Superintendent, Railway Training School, Bina, Personnel Officers, District Engineers, Assistant District Engineers, Assistant Engineers, District Mechanical Engineers, Mechanical Engineers, Assistant District Mechanical Engineers, Assistant Mechanical Engineers, Chief Medical Officers, District Medical Officers, District Traffic Managers, District Operating Superintendents, Assistant Operating Superintendents, District Signal Engineers, Assistant Signal Engineers, Assistant Controller of Stores, Senior Accounts Officers, Junior Accounts Officers, Assistant Accounts Officers, Marine Superintendent, Mandapam.

13. Service agreements of non-gazetted officers; by the Chief Mining Engineer with the Railway Board

**14. Service agreements of Student Engineers and Overseers; by Chief Engineers of Government Railways.**

15. Security bonds for the due performance of their duties by Government servants whom the officers specified below have powers to appoint; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries or Assistant Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Divisional Superintendents, Superintendents, Watch and Ward Department, Superintendents of Works, Executive Engineers, Divisional Engineers, Superintendents, Mechanical Workshops, Works Managers, Bridge Engineers, Locomotive Superintendents, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Traffic Managers, Chief Commercial Managers, Commercial Managers, Carriage and Wagon Superintendents, Chief Mechanical Engineers, Chief Electrical Engineers, Signal Engineers, Colliery Superintendents, Financial Advisers and Chief Accounts Officers, Controllers of Stores, Deputy Controllers of Stores, or District Controllers of Stores, of Government Railways, the Chief Mining Engineer with the Railway Board, or the Director, Railway Clearing Accounts Office.

16. Instruments relating to advances for the purchase of motor cars; by General Managers, Chief Administrative Officers, Deputy General Managers, Secretaries to General Managers, Chief Engineers, Engineers-in-Chief, Traffic Managers, Chief Operating Superintendents, Chief Transportation Superintendents, Chief Commercial Managers, Transportation Managers, Commercial Managers, Chief Mechanical Engineers, Superintendent, Mechanical Workshops, Chief Electrical Engineers, Deputy Chief Engineers, Bridge Engineers, Divisional Engineers, Controllers of Stores, Deputy Controllers of Stores, Divisional Superintendents, Superintendents, Watch and Ward Department, or Financial Advisers and Chief Accounts Officers, of Government Railways, the Chief Mining Engineer with the Railway Board, or the Director, Railway Clearing Accounts Office.

17. All instruments connected with the reconveyance of property given as security; by General Managers, Chief Administrative Officers, Deputy or Assistant General Managers, Assistant Deputy General Managers, Secretaries to General Managers, Engineers-in-Chief, Chief Engineers, Bridge Engineers, Signal Engineers, Chief Operating Superintendents, Chief Transportation Superintendents, Chief Mechanical Engineers, Chief Electrical Engineers, Controllers of Stores, Deputy Controllers of Stores, Financial Advisers and Chief Accounts Officers, Deputy Chief Accounts Officers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Traffic Managers, Divisional Superintendents, Superintendents, Watch and Ward Department, Superintendents of Works, Executive Engineers, Colliery Superintendents or Divisional Engineers, of Government Railways, or the Chief Mining Engineer with the Railway Board.

18. Agreements relating to the supply of electrical power, electricity or water to railways by agencies other than Railways themselves; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Chief Engineers, Chief Mechanical Engineers, Chief Electrical Engineers or Divisional Superintendents, of Government Railways.

19. Agreements relating to the supply of electricity or water by Railways to outsiders; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Engineers, Deputy Chief Engineers, Divisional Engineers, Divisional Superintendents, Chief Electrical Engineers, or Senior Electrical Engineers, of Government Railways.

20. Agreements for construction of, or relating to, the use of assisted and private sidings for collieries, mills or other industrial concerns; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Engineers, Deputy Chief Engineers, Chief Operating Superintendents, Chief Transportation Superintendents, Chief Traffic Managers, Transportation Managers, Deputy Chief Operating Superintendents, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, or Divisional Superintendents, of Government Railways.

21. Agreements for the driving of galleries under and for underground support to, railway property and lines including assisted sidings or for the provision of loading accommodation at existing sidings (railway or assisted); by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Operating Superintendents, Chief Transportation Superintendents, or Deputy Chief Operating Superintendents, of Government Railways.

22. Agreements relating to refreshment rooms, dining cars, book stalls and curiosity stalls, refreshment and foodstuff, contractors and vendors; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Operating Superintendents, Chief Transportation Superintendents, Transportation Managers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, Divisional Superintendents, Chief Traffic Managers, Divisional Traffic Managers, Chief Engineers, or Controllers of Stores of Government Railways, the Superintendent, Railway Training School, Bina, or the Director, Railway Clearing Accounts.

23. Advertising and publicity contracts; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers and Rates Superintendents, Chief Traffic Managers, or Publicity Officers, of Government Railways.

24. Agreements for the collection of terminal tax, pilgrim tax or other taxes and duties for, and on behalf of local authorities; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Traffic Managers, or Divisional Superintendents, of Government Railways.

25. Contracts for the hiring of films or the provision of studio facilities; by Chief Commercial Managers, Deputy Chief Commercial Managers, Commercial Managers, or Publicity Officers, of Government Railways.

26. Agreements relating to the supply of electric power to collieries adjacent to Railway collieries; by the Chief Mining Engineer with the Railway Board.

27. Major contracts for the purchase of wooden sleepers and timber of all descriptions exceeding Rs. 5 lakhs but not exceeding Rs. 10 lakhs in value; by the Administrator of the Eastern Group Sleeper Pool, the Administrator of the Northern Group Sleeper Pool, or the Administrator of the Southern Group Sleeper Pool.

28. Major contracts for the purchase of wooden sleepers and timber of all descriptions exceeding Rs. 50,000 but not exceeding Rs. 5 lakhs in value; by the President of the Eastern Group Sleeper Pool, the President of the Northern Group Sleeper Pool or the President of the Southern Group Sleeper Pool.

29. Minor contracts for the purchase of wooden sleepers and timber of all descriptions not exceeding Rs. 50,000 in value; by Sleeper Control Officers of the Eastern Group, Sleeper Control Officers of the Northern Group or Sleeper Control Officers of the Southern Group.

30. Execution of deeds of transfer of shares and other securities held by the Governor General before the 26th January 1950 and the President on or after that date on account of investments out of the Railway Reserve Fund Investment account and endorsement of dividend warrants relating to such shares and securities; by the Financial Adviser and Chief Accounts Officer, East Indian Railway.

31. Instruments relating to sale of immovable property (lands and buildings); by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Engineers, Deputy Chief Engineers, Engineers-in-Chief, Deputy Engineers-in-Chief, Superintendents of Works, Divisional Superintendents, Executive Engineers or District Engineers, of Government Railways or the Chief Mining Engineer with the Railway Board.

32. Agreements with auctioneers for conducting sales by public auction of unclaimed and excess goods and lost property; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Traffic Managers, Deputy Traffic Managers, Chief Commercial Managers, Deputy Chief Commercial Managers, or Traffic Superintendents, of Government Railways.

33. Deeds of conveyance relating to the transfer of land owned by State Governments for Railway purposes; by General Managers, Chief Administrative Officers, Deputy General Managers, Chief Engineers, Deputy Chief Engineers, Engineers-in-Chief, Deputy Engineers-in-Chief, Superintendents of Works, Divisional Superintendents, Executive Engineers or District Engineers, of Government Railways, or the Chief Mining Engineer with the Railway Board.

34. Contracts for the supply of labour, carts etc., but excluding structural work, in connection with conservancy service; by Chief Medical and Health Officer, Chief Medical Officer, District Medical Officer, Divisional Medical Officer or Workshop Medical Officer.

35. All deeds and instruments relating to Railway matters other than those specified above; by a Director, Joint Director, Deputy Director or Assistant Director in the Railway Board.

B.—In the case of Ports:—

Contracts and other instruments relating to the Scheme for the development of the Vizagapatam Port and matters concerning its ordinary administration and working—

1. All contracts, deeds and instruments not exceeding Rupees ten lakhs in value relating to the execution of works connected with Vizagapatam Port; by the General Manager, Bengal Nagpur Railway or the Conservator, Vizagapatam Port.

2. All contracts, deeds and instruments not exceeding Rupees one lakh in value relating to the execution of works connected with Vizagapatam Port; by the Port Administrative Officer, Vizagapatam Port.

3. All contracts, deeds and instruments not exceeding Rs. 25,000 in value for the execution of works chargeable to Capital or Depreciation Fund and Rs. 5,000 in the case of works chargeable to the Revenue Fund of the Port; by the Port Engineer, Vizagapatam Port.

4. Leases of Harbour land, storage sheds, godowns and other buildings and renewals of such leases provided the rent reserved shall not exceed Rs. 5,000 a month and the period does not exceed twenty five years; by the General Manager, Bengal Nagpur Railway or the Conservator, Vizagapatam Port.

5. Leases of Harbour land, storage sheds, godowns and other buildings and renewal of such leases provided that the period of each lease or each separate renewal does not exceed five years and that the rent reserved shall not exceed Rs. 2,000 a month; by the Port Administrative Officer, Vizagapatam Port.

6. All contracts for the handling of goods and merchandise not exceeding Rupees five lakhs in value; by the General Manager, Bengal Nagpur Railway or the Conservator, Vizagapatam Port.

7. All contracts for the handling of goods and merchandise not exceeding Rupees one lakh in value; by the Port Administrative Officer, Vizagapatam Port.

8. All agreements relating to the salvage of vessels in distress and cargo therein; by the Port Administrative Officer or the Deputy Conservator, Vizagapatam Port.

9. All security bonds, agreements or leases for grazing cattle, fishing in Harbour waters, licenses, Service agreements with staff (non-gazetted); by the Port Administrative Officer, Vizagapatam Port.

10. All contracts, deeds and instruments not hereinbefore specified; by a Director, Joint Director, Deputy Director or Assistant Director in the Railway Board.

XVIII.—In the case of the Ministry of Rehabilitation:—

Agreements with displaced Government servants, servants of former Indian States and servants of Local Bodies in connection with payments under the Indo-Pakistan Provisional Payment Scheme or the Government of India Interim Relief Scheme; by the Officer Incharge, Claims, Central Claims organisation, Ministry of Rehabilitation.

XIX.—In the case of the Ministry of States:—

1. In the case of the Central India States Regional Organisation:—

Contracts for the supply of articles for use in the Central India Agency Jail, Indore; by the Regional Commissioner and Adviser to the Rajpramukh, Madhya Bharat, Gwalior.

XX.—In the case of the Ministry of Transport:—

A.—In the case of Shipping:—

1. Contracts for the tending of the General Light-houses and Light-ships and for the supply of stores, provisions, etc., to the General Lighthouses and Lightships; by the Superintendents of Lighthouses concerned.

2. Contracts relating to the execution of works for the Central Lighthouse Department; by the Engineer-in-Chief, Lighthouses Department and Chief Inspector of Lighthouses in India, or the Superintendents of Lighthouses concerned.

3. Contracts for the landing, shipment, transport etc., of the Central Government Consignments at Madras; by the Principal Officer, Mercantile Marine Department, Madras.

4. (a) Charterparties and other documents connected with the operation of requisitioned ships; and

(b) Charterparties in respect of ships which the Government decide to charter and other documents connected with the operation of such chartered ships;

by the Director General of Shipping, the Joint Director General of Shipping or the Deputy Director General of Shipping.

B. In the case of Ports:—

1. Contracts and other instruments relating to the Cochin Port and matters concerning its ordinary administration and working:—

(i) (a) Security bonds for the due performance of their duties by Civil servants whom the Administrative Officer has power to appoint;

(b) All instruments relating to advances for the purchase of conveyances; and

(c) All agreements with temporary establishments;

by the Administrative Officer or the Chief Engineer, Cochin Port.

(ii) All contracts, deeds and instruments not exceeding Rs. 10 lakhs in value for the execution of works chargeable to Capital or Depreciation Fund or Renewals and Replacement Fund and Rs. 1,00,000/- in the case of works chargeable to Revenue Funds of the Ports; by the Administrative Officer, Cochin Port.

(iii) All contracts, deeds and instruments not exceeding Rs. 1,00,000/- in value for the execution of works chargeable to Capital or Depreciation Fund or Renewals and Replacement Fund and Rs. 50,000/- in the case of works chargeable to the Revenue Funds of the Port; by the Chief Engineer, Cochin Port.

(iv) All contracts, deeds and instruments not exceeding Rs. 25,000/- in value for the execution of works chargeable to Capital or Depreciation Fund or Renewals and Replacement Fund and Rs. 10,000/- in the case of works chargeable to the Revenue Funds of the Port; by the Executive Engineer or the Mechanical Superintendent of Cochin Port.

(v) Leases of Harbour Land, Storage Sheds, Godown and other buildings, grass, usufruct of trees and grazing and renewal of such leases:—

(a) if the period of each lease or each separate renewal does not exceed three years and the rent reserved does not exceed Rs. 5,000/- a month; by the Administrative Officer, Cochin Port.

(b) if such period or amount exceeds the above limits; by the Administrative Officer, Cochin Port, with the prior approval of the Central Government.

(vi) All contracts for the handling of goods and merchandise not exceeding Rs. 1,00,000/- in value; by the Administrative Officer, Cochin Port.

(vii) All agreements relating to the salvage of vessels in distress and cargo therein; by the Port Officer, Cochin Port.

(viii) All contracts for the lending of tools, plant, equipment and machinery to contractors and others not exceeding Rs. 5,000/- in value; by the Chief Engineer, Cochin Port.

2. Contracts and other instruments relating to the Scheme for the Development of the Kandla Port and matters concerning its ordinary administration and working:—

(i) All contracts, deeds and instruments not exceeding Rs. 10 lakhs in value for the execution of works chargeable to Capital or Depreciation Fund and Rs. 1,00,000 in the case of works chargeable to Revenue Funds of the Port; by the Development Commissioner, Kandla.

(ii) All contracts, deeds and instruments not exceeding Rs. 1 lakh in value for the execution of works chargeable to Capital or Depreciation Fund and Rs. 50,000 in the case of works chargeable to the Revenue Funds of the Port; by the Chief Engineer, Kandla Port.

(iii) All contracts, deeds and instruments not exceeding Rs. 25,000 in value for the execution of works chargeable to Capital or Depreciation Fund and Rs. 5,000 in the case of works chargeable to the Revenue Funds of the Port; by the Executive Engineer, Kandla Port.

(iv) Leases of Harbour Land, Storage Sheds, Godown and other buildings and renewal of such leases provided that the period of each lease or each separate renewal does not exceed three years and the rent reserved does not exceed Rs. 5,000 a month; by the Chief Engineer, Kandla Port.

(v) All contracts for the handling of goods and merchandise not exceeding Rs. 1 lakh in value; by the Chief Engineer, Kandla Port.

(vi) All agreements relating to the salvage of vessels in distress and cargo therein; by the Deputy Conservator, Kandla Port.

**XXI.—In the case of the Ministry of Works, Production and Supply:—**

**A.—All service agreements; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Works, Production and Supply.**

**B.—In the case of the Printing and Stationery Department:—**

1. (a) Contracts for the supply of Stationery (and bonds of employees when it is necessary that they should be executed by the obligee), etc. to the Controller of Printing and Stationery, India; by the Controller of Printing and Stationery, India or the Deputy Controller, Stationery, Calcutta, or the Assistant Controller, Stationery (Purchase).

(b) Contracts for printing work; by the Controller of Printing and Stationery, India or the Deputy Controller, Printing, or the Assistant Controllers, Printing or the Assistant Controller, Outside Printing, Calcutta.

2. (a) Contracts relating to the disposal of waste paper and the purchase of local stores, etc.; and

(b) Contracts for clearance, handling conveyance, and delivery of consignments and supply of labour, etc.;

by the Manager of the Press or the Head of the Branch concerned.

3. Contracts for the periodical inspection and upkeep of typewriters, accounting machines, etc.; by the Deputy Controller, Stationery, Calcutta.

4. Contracts with the Advertisement Agent for Government of India Publications; by the Controller of Printing and Stationery, India.

**C.—In the case of the Estate Officer:—**

1. (a) Security Bonds for the performance of their duties by Government Servants whom the Estate Officer has power to appoint;

(b) Leases of houses, lands and other immovable property provided the rent does not exceed Rs. 5,000 a month; and

(c) Agreements for catering contracts in Hostels, Tiffin Rooms or for protection of Conveyances belonging to the staff working in public buildings;

by the Estate Officer.

2. Leases of houses, land or other immovable property provided that the rent reserved shall not exceed Rs. 5,000 per annum in each case; by the Managers, Government of India Estates, Bombay and Calcutta.

**D.—In the case of the Public Works Department (subject to any limit fixed by Departmental orders):—**

1. (a) All instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery, etc.;

(b) All instruments relating to the execution of works of all kinds, connected with building, bridges, roads, canals, tanks, reservoirs, docks and harbours and embankments and instruments relating to the construction of water-works, sewage works, the erection of machinery, and the working of coal mines;

(c) Bonds of auctioneers and security bonds for the due performance and completion of works; and

(d) Security bonds for the performance of their duties by Government servants whom the officers specified below have power to appoint;

by a Secretary to Government, Chief Engineers, Superintending Engineers, Divisional Officers, Sub-Divisional Officers, Assistant Executive Engineers, Assistant Engineers (Assistant Engineers I and Assistant Engineers II in Bombay), the Military Secretary to the President, Executive Engineer, President's Estates Division, the Electrical Engineer to the Government of Bombay, the Chief Engineer, Public Health

*Department, West Bengal, the Superintending Engineer, Health Services, Delhi, or the Electric Inspector, Bihar. In the case of West Bengal the authority to execute deeds, contracts, etc., in respect of item 1 (d) is vested in the Secretary to Government and Divisional Officers only. In the case of Bombay this authority is also vested in Deputy Engineers, in respect of items 1(a) to (d), and in the Consulting Public Health Engineer to the Government of Bombay, in respect of item 1 (d).*

2. Leases for grazing cattle on canal banks or road sides; for fishing in canals; for the cultivation of land under the Irrigation Department; leases of water for irrigation and other purposes; leases of water power, and instruments relating to the sale of grass, trees or other produce on road sides or in plantations; by Chief Engineers, Superintending Engineers, Military Secretary to the President, Divisional Officers, in West Bengal, Bihar and Orissa, by Sub-Divisional Officers of the Irrigation Branch, in Madras and Madhya Pradesh by Sub-Divisional Officers of the Public Works Department and in Bombay by such Assistant Executive Engineers, Assistant Engineers (I) and (II), Deputy Engineers and selected Subordinates holding Sub-Divisional charges as may be authorised by Executive Engineers.

3. (a) Leases of house, land or other immovable property, provided that the rent reserved shall not exceed Rs. 5,000 a month;

(b) All instruments connected with the reconveyance of property given as security; and

(c) Agreements for the recovery of fines on account of drift wood or other timber passing into a canal;

by Chief Engineers, Superintending Engineers, Military Secretary to the President, Divisional Officers, or the Electrical Engineers to the Government of Bombay. In the case of West Bengal the authority to execute deeds, contracts etc., in respect of item 3 (b) is vested in Chief Engineers only.

4. Instruments connected with the collection or farming of tolls at bridges or ferries or other means of communication; by Chief Engineers, Superintending Engineers, Divisional Officers, Collectors of Districts in Bombay or the Assistant Commissioner, Coorg.

5. Agreements relating to the loan of tools and plant to contractors and others; by Divisional Officers or the Superintending Engineer, Health Services, Delhi.

6. Agreements for catering contracts in hostels and tiffin rooms or for the protection of conveyances belonging to the staff working in public buildings; by Superintending Engineers or the Military Secretary to the President.

7. Agreements for renting rationing and other shops in the President's Estates, Simla and New Delhi and in the Prime Minister's Estate, New Delhi; by the Military Secretary to the President.

8. Agreements for sewer connection with Government sewerage systems; by Superintending Engineers.

9. Instruments relating to the sale of immovable property (lands and buildings) the book value of which does not exceed Rs. 10,000; by Chief Engineers, or the Military Secretary to the President.

10. Agreements with retail distributors for the distribution of rationed articles; by Chief Engineers or Additional Chief Engineers.

11. All deeds and instruments relating to any matters other than those specified in items 1 to 8; by Secretaries or Joint Secretaries to Government.

E.—In the case of the Fertiliser Project, Sindri:—

1. All service agreements; by the General Manager or the Principal Administrative Officer.

2. Security bonds for the due performance of their duties by Government servants; by the General Manager.

3. Leases of houses, lands or other immovable property; by the General Manager.

4. All other contracts, deeds and instruments; by the General Manager or the Principal Administrative Officer.

F.—In the case of the Directorate General of Supplies and Disposals:—

1. (a) All contracts and instruments relating to purchase, supply and conveyance, or carriage of materials, stores, machinery, etc.;

(b) Security bonds for due performance and completion of works and contracts;

(c) All instruments connected with the reconveyance of property given as security;

(d) All contracts and instruments relating to disposal of surplus, obsolete and waste stores located in India and belonging to the Defence Services, Civil Departments of the Government of India, State Governments or quasi-Government institutions such as Port Trusts, Port Commissioners etc., the Government of the United Kingdom or other Foreign Governments; and

(e) All instruments relating to the execution of works of all kinds connected with the additions and alterations to buildings and plants and with foundations and housing of machinery and electric and sanitary installations;

by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Works, Production and Supply, the Director General of Supplies and Disposals, Deputy Director General (Supplies), Deputy Director General (Disposals), Directors, Deputy Directors, Assistant Directors (Grade I) and Assistant Directors (Grade II) of Supplies and/or Disposals or the Director, India Supply Mission, Washington or Deputy Directors working under him.

2. Security bonds for the due performance of their duties by Government servants; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Works, Production and Supply, Director General of Administration and Co-ordination in the Directorate General of Supplies and Disposals, or the Director India Supply Mission, Washington.

3. Leases of houses, land, or other immovable property; by the Secretary, Joint Secretary, or Deputy Secretary to the Central Government in the Ministry of Works, Production and Supply, the Director-General of Supplies and Disposals, Deputy Director General (Supplies), Deputy Director General (Disposals), Director of Administration and Co-ordination in the Directorate General of Supplies and Disposals or the Director, India Supply Mission, Washington.

4. All Service Agreements; by the Secretary, Joint Secretary, or Deputy Secretary to the Central Government in the Ministry of Works, Production and Supply, Director General of Supplies and Disposals, Director of Administration and Co-ordination in the Directorate General of Supplies and Disposals, or the Director, India Supply Mission, Washington.

5. Guarantees for the payment of electric charges to the Delhi State Electricity Board, on behalf of the members of the non-gazetted staff; by a Deputy Director (Administration) in the Directorate General of Supplies and Disposals.

6. All miscellaneous contracts and instruments including instruments appointing agents, attorneys and counsels; by the Secretary, Joint Secretary or Deputy Secretary to the Central Government in the Ministry of Works, Production and Supply, the Director General of Supplies and Disposals or the Director of Administration and Co-ordination in the Directorate General of Supplies and Disposals.

G.—In the case of the Salt Administration under the Salt Controller, Ministry of Works, Production and Supply:—

1. All contracts, deeds or other instruments relating to the execution of Salt Works or the purchase, sale or transport of salt, the supply of labour, stores, building materials, etc. and any other like engagements relating to Salt Administration; by the Salt Controller or Deputy Salt Controllers, Bombay or Madras or the General Manager, Rajputana Salt Sources Division, Sambhar Lake, within their respective jurisdictions.

2. (a) Contracts for the lease of land in the control of the Salt Administration where such lease is otherwise permissible;

(b) Leases of land and leases and surrender of buildings or other immovable property;

(c) Security bonds in connection with the employment of cashiers and other subordinates who are required to handle Government money in the course of their official duty; and

(d) Contracts or other instruments for the purchases, supply and conveyance of furniture, stores, etc.;

- by the Salt Controller or the Deputy Salt Controllers, New Delhi, Madras, Bombay, within their respective jurisdictions and in respect of (c) and (d) above also by the General Manager, Rajpurna Salt Sources Division, Sambhar Lake or the Assistant Salt Controllers in their respective jurisdictions.*
3. Leases of whole Excise Salt factories in the State of Madras; by the Deputy Salt Controller, Madras.
  4. Leases of whole Excise Salt factories in the State of Orissa; by the Deputy Salt Controller, New Delhi.
  5. Leases of land for salt manufacture; by the Salt Controller, Deputy Salt Controllers, New Delhi, Bombay, Madras or Assistant Salt Controllers, within their respective jurisdictions.
  6. (a) Leases of land for salt manufacture in Government Salt factories in the State of Madras; and  
 (b) Leases of land for salt manufacture in Excise Salt factories in the State of Madras; by the Deputy Salt Controller, Madras or the Assistant Salt Controllers within their respective jurisdictions.
  7. Leases of Government Salt factories in Bombay; by the Deputy Salt Controller, Bombay.
  8. All contracts, deeds or other instruments relating to the execution of Salt Works or the purchase, sale or transport of salt, the supply of labour or the purchase, supply and conveyance or carriage of stores, building materials, machinery, etc. and contracts for petty construction and repairs and for Public Works of every description which are executed by the Salt Administration; by the Assistant Controllers of Salt, within their respective jurisdictions and within the limit of the value of Rs. 5,000.
  9. Contracts, deeds or instruments relating to salt imported into the States of West Bengal and Orissa by sea; by the Salt Controller, Deputy Salt Controller, New Delhi, or within the limit of the value of Rs. 5,000 by the Assistant Salt Controller, Calcutta.

H.—In the case of the National Instruments Factory, Calcutta:—

- (i) All contracts and instruments relating to purchase, supply and conveyance or carriage of materials, stores, machinery etc.;
- (ii) Security bonds for the due performance and completion of work;
- (iii) All instruments connected with the reconveyance of property given as security;
- (iv) All instruments relating to the execution of works of all kinds connected with the additions and alterations to buildings and plants and with foundations and housing of machinery and electric and sanitary installations;
- (v) Security bonds for the due performance of their duties by Government servants;
- (vi) Leases of houses, land or other immovable property; and
- (vii) All contracts and instruments relating to disposal of surplus, obsolete and waste stores;  
*by the Superintendent, National Instruments Factory, Calcutta.*

XXII.—In the territories under the administration of the Chief Commissioner, Coorg, as regards contracts, etc. not hereinbefore specified:—

1. Deeds, contracts and other instruments in matters connected with the sale of forest produce of all kinds and leases of reserved forests for cultivation; by the Chief Forest Officer, Coorg, up to a limit of Rs. 50,000 and above this limit in each case with the prior financial sanction of the Chief Commissioner, Coorg.
2. Deeds, contracts and other instruments relating to expenditure on conservancy and works incurred by the Forest Department; by the Chief Forest Officer, Coorg, up to a limit of Rs. 10,000 and above this limit in each case with the prior financial sanction of the Chief Commissioner, Coorg.
3. Contracts, etc., not hereinbefore specified; by the Assistant Commissioner of Coorg.

**XXIII.**—In the territories under the administration of the Chief Commissioner, Delhi, as regards contracts, etc., not hereinbefore specified:—

1. All deeds and instruments relating to matters other than those specified in items 2, 4, and 6 below; *by the Chief Commissioner.*

2. (a) Contracts and other instruments connected with ferries, dues for grazing cattle on places other than canal banks, fisheries, *nazul* buildings, spontaneous products and minerals, execution of minor works not under the Public Works Department, and the supply of necessaries depots;

(b) Contracts and other instruments in matters connected with the lease or sale of land;

(c) Contracts relating to any matters falling within his ordinary jurisdiction;

(d) Instruments of free grants of proprietary right in land;

(e) Instruments whereby property is mortgaged to the Government as security for a loan; and

(f) Instruments of exchange of land;

*by the Deputy Commissioner or a Secretary to the Chief Commissioner.*

3. Contracts for the supply of clothing, etc., for the police; *by the Chief Commissioner.*

4. Contracts for the supply of articles for use in jails, or regarding the sale of articles manufactured in jails; *by the Inspector-General of Prisons, Punjab.*

5. Contracts and other instruments for the supply of stores, clothing, etc.; *by Heads of Departments concerned.*

6. Contracts and other instruments relating to matters connected with their respective Departments (including mining leases); *by all Heads of Departments.*

**XXIV.**—In the territories under the administration of the Chief Commissioner, Ajmer, as regards contracts, etc., not hereinbefore specified:—

1. All deeds and instruments relating to matters other than those specified in items 2 to 5; *by the Secretary to the Chief Commissioner, Ajmer.*

2. Contracts and other instruments for the supply of stores, clothing, etc.; *by the Heads of Departments concerned.*

3. Contracts, etc., relating to any matter connected with their department; *by Heads of Departments, the Collector of Excise Revenue, the Superintendent, Central Jail, Ajmer, to the extent of a sum or value of Rs. 500 only, or the Divisional Forest Officer, Ajmer to the extent of a sum or value of Rs. 200 in the case of construction and repairs of permanent roads, bridges, etc., and Rs. 500 in other cases.*

4. Contracts and other instruments connected with the lease or sale of land or whereby land is mortgaged to Government in security bonds and instruments relating to any matter falling within their ordinary jurisdiction including the execution of minor works not under the Public Works Department; *by the Commissioner and Collector, Ajmer or the Collector of Excise Revenue, Ajmer.*

5. Contracts and other instruments relating to house-building advances; *by the authorities granting the advances.*

**XXV.**—In the territories under the administration of the Chief Commissioner, Andaman and Nicobar Islands, as regards contracts, etc., not hereinbefore specified:—

1. All deeds, contracts and other instruments in matters connected with the grant of lands, the working and business of the Public Works Department or the general administration of the Islands; *by the Chief Commissioner.*

2. Contracts and other instruments relating to the Forest Department of the Andaman and Nicobar Islands; *by the Chief Conservator of Forests, Andaman and Nicobar Islands.*

**XXVI.**—In the territories under the administration of the Chief Commissioner, Bilaspur, as regards contracts etc., not hereinbefore specified:—

1. All deeds, contracts and other instruments connected with the sale of forest produce of leases of reserved forests for cultivation:—

(a) if the amount or value does not exceed Rs. 5,000; *by the Forest Officer, Bilaspur; and*

(b) if such amount or value exceeds Rs. 5,000; by the Forest Officer, Bilaspur, with the approval of the Chief Commissioner, in each case.

2. Deeds, contracts and other instruments relating to expenditure on conservancy and works executed by the Forest Department:—

(a) if the amount or value does not exceed Rs. 1,000; by the Forest Officer, Bilaspur; and

(b) if such amount or value exceeds Rs. 1,000; by the Forest Officer, Bilaspur, with the previous approval of the Chief Commissioner, in each case.

3. (i) Contracts and other instruments connected with ferries, dues for grazing cattle, fisheries, *nuzul* buildings, spontaneous products and minerals, execution of minor works not under the Public Works and Forest Departments and the supply of necessities depots;

(ii) Contracts and other instruments in matters connected with the lease or sale of land;

(iii) Contracts relating to any matter falling within his ordinary jurisdiction;

(iv) Instruments of free grants of proprietary rights in land;

(v) Instruments whereby property is mortgaged to Government as security for loan; and

(vi) Instruments of exchange of land;

*if the amount or value does not exceed Rs. 5,000 by the Collector, Bilaspur and if such amount or value exceeds Rs. 5,000 by the Collector, Bilaspur with the previous approval of the Chief Commissioner, in each case.*

4. Deeds, contracts and other instruments relating to expenditure on original works:—

(a) if the amount or value does not exceed Rs. 2,000; or in the case of repairs does not exceed Rs. 5,000; by the Divisional Officer, Independent Sub-division, P.W.D.; and

(b) if such amount or value exceeds the aforesaid limits: by the Divisional Officer, Independent Sub-division, P.W.D. with the previous approval of the Chief Commissioner, in each case.

5. Contracts not hereinbefore specified; by the Chief Commissioner.

XXVII.—In the territories under the administration of the Chief Commissioner, Vindhya Pradesh, as regards contracts etc., not hereinbefore specified:—

1. All deeds and instruments relating to matters other than those specified in items 2 to 5 below; by a Secretary to the Chief Commissioner.

2. Contracts and other instruments for the supply of stores, clothing etc. (other than Police clothing); by the Heads of Departments concerned.

3. Contracts and other instruments in matters connected with the sale of forest produce of all kinds, if the amount or value does not exceed Rs. 50,000 or in the case of the sale of seedlac and shellac does not exceed Rs. 1,00,000; by the Chief Conservator of Forests.

4. Contracts and other instruments relating to expenditure on Conservancy and Works incurred by the Forest Department, if the amount involved does not exceed Rs. 10,000; by the Chief Conservator of Forests.

5. Contracts and other instruments relating to any other matter connected with their Departments (including mining leases), if the amount or value does not exceed Rs. 2,500 or in the case of a mining lease the annual rent fixed does not exceed Rs. 500; by the Head of the Department concerned.

XXVIII.—In the territories under the administration of the Chief Commissioner Manipur, as regards contracts etc., not hereinbefore specified:—

1. All deeds and instruments relating to matters other than those specified in items 2 to 7 below; by the Chief Commissioner.

2. Deeds, Contracts and other instruments in matters connected with the sale of Forest produce of all kinds, if the amount or value does not in any case exceed Rs. 2,000; by the Forest Officer.

3. Contracts and other instruments relating to fisheries, lease or sale of land, execution of minor works not under the Public Works Department or to any matters falling within his ordinary jurisdiction; by the Deputy Commissioner.

4. Contracts for the supply of clothing, ration etc. for the Police; by the Superintendent of Police.

5. Contracts for the supply of articles for use in jails or regarding the sale of articles manufactured in jails; by the Superintendent of Jails.

6. Contracts for the supply of articles and medicines for use in hospitals; by the Chief Medical Officer.

7. Contracts for the supply of articles required for the use of any department and other instruments connected with the administration of that department; by the Head of the Department concerned.

**XXIX.**—In the territories under the administration of the Chief Commissioner, Himachal Pradesh, as regards contracts etc., not hereinbefore specified:—

1. All deeds and instruments relating to matters other than those specified in items 2 to 5 and 7 to 9 below; by the Chief Commissioner.

2. Contracts and other instruments relating to matters connected with the administration of forests and the business of the Forest Department, but not relating to the purchase or sale or permanent acquisition of land:—

(a) if the amount or value does not exceed Rs. 2,000; by the Divisional Forest Officer;

(b) if the amount or value does not exceed Rs. 50,000; by the Conservator of Forests; and

(c) if the amount or value exceeds Rs. 50,000 but not Rs. 1,00,000; by the Chief Conservator of Forests.

3. Sanctions of petty leases for specified purposes, such as water mills, shops, timber depots:

(a) upto Rs. 1,000 per annum in each case for periods not exceeding 5 years; by the Divisional Forest Officer;

(b) upto Rs. 3,000 per annum in each case for periods not exceeding five years; by the Conservator of Forests; and

(c) upto Rs. 5,000 per annum in each case for periods not exceeding five years; by the Chief Conservator of Forests.

4. All deeds and instruments relating to the execution of works of all kinds by the Public Works Department, including instruments relating to the purchase, supply and conveyance or carriage of materials, stores, machinery etc., if the amount involved does not exceed Rs. 1,00,000; by the Principal Engineering Officer.

5. (a) Contracts and other instruments connected with ferries, dues for grazing cattle on places other than forests, fisherles, nuzul buildings, spontaneous products and minerals, execution of minor works not under the Public Works Department, and for the supply of necessary depots;

(b) Contracts and other instruments in matters connected with the lease or sale of land;

(c) Contracts relating to any matters falling within his ordinary jurisdiction;

(d) Instruments of free grants of proprietary rights in land;

(e) Instruments whereby property is mortgaged to the Government as security for a loan; and

(f) Instruments of exchange of land; by the Deputy Commissioner or Secretary or Assistant Secretary to the Chief Commissioner.

6. Contracts for the supply of clothing etc. for the Police; by the Chief Commissioner.

7. Contracts for the supply of articles for use in jails or regarding the sale of articles manufactured in jails; by the Inspector General of Prisons, Himachal Pradesh.

8. Contracts and other instruments for the supply of stores, clothing etc.; by the Heads of Departments concerned.

9. Contracts and other instruments relating to matters connected with their respective departments (including mining leases); by the Head of the Department concerned.

**XXX.—In the territories under the administration of the Chief Commissioner, Kutch, as regards contracts etc., not hereinbefore specified:—**

1. All deeds, contracts and other instruments in matters connected with grant of land, working and business of Public Works Department including Irrigation or General Administration of the State under Central P.W.D. Code, other than those specified in items 2, 4 and 5 below; *by the Chief Commissioner.*

2. (a) Contracts and other instruments connected with dues for grazing cattle on places other than canal banks, fisheries and execution of minor works not under the contract of the Public Works Department;

(b) Contracts relating to any matters falling within his ordinary jurisdiction;

(c) Contracts and other instruments in matters connected with the lease or sale of land;

(d) Instruments of free grants of proprietary rights in land;

(e) Instruments whereby property is mortgaged to Government as security for loan; and

(f) Instruments of exchange of land;  
*by the Collector of Kutch.*

3. Contracts for the supply of clothing etc. for the Police:—

(a) if the amount or value does not exceed Rs. 500 in each case; *by the Chief Commissioner or District Superintendent of Police, Kutch;* and

(b) if such amount or value exceeds Rs. 500; *by the Chief Commissioner.*

4. Contracts for the supply of articles for use in jails or regarding the sale of articles manufactured in jails; *by the Superintendent of Jails with the approval of the Collector, Kutch.*

5. Contracts and other instruments for the supply of stores, clothing etc.; *by the Head of the Department concerned.*

6. Contracts and other instruments in matters connected with prospecting and exploring licenses and mining leases; *by the Chief Commissioner.*

**XXXI.—In the territories under the administration of the Chief Commissioner, Bhopal, as regards contracts etc., not hereinbefore specified:—**

1. All deeds and instruments relating to matters other than those specified in items 2 and 3; *by the Chief Commissioner.*

2. Contracts and other instruments for the supply of stores, clothing etc. (other than Police clothing); *by the Head of the Department concerned.*

3. Contracts and other instruments relating to matters (other than those mentioned in item 2 above) connected with their respective Departments:—

(a) in the case of any Department other than the Forest and Public Works Department, if the amount or value does not exceed Rs. 1,000; *by the Head of the Department concerned;* and

(b) in the case of the Forest and Public Works Departments, if the amount or value does not exceed Rs. 10,000 in each case; *by the Conservator of Forests or the Chief Engineer, P.W.D., Bhopal.*

**XXXII.—In the territories under the administration of the Chief Commissioner, Tripura, as regards contracts etc., not hereinbefore specified:—**

1. All contracts relating to matters connected with settlement of land:—

(a) when the contract is not one relating to settlement of land in Ryoti right and when the term does not exceed 20 years and the annual revenue is not more than Rs. 100; *by the Officer-in-Charge, Revenue Department, Tripura, by whatever name called with the prior approval of the Chief Commissioner;* and

(b) when the contract is one relating to settlement of land in Ryoti right and not involving an annual revenue of more than Rs. 50; *by the Divisional Officers concerned.*

2. Contracts and other instruments connected with ferries, grazing fees, natural products and minerals, execution of minor works not under the Public Works Department:—

(a) if the total value involved does not exceed Rs. 100; *by the Divisional Officers concerned;* and

(b) if such value exceeds Rs. 100 but does not exceed Rs. 500; by the Officer-in-Charge, Revenue Department, Tripura, by whatever name called.

3. Deeds, contracts and other instruments in matters connected with the sale of forest produce of all kinds and leases of reserve forest for cultivation upto a total value of Rs. 10,000; by the Chief Forest Officer, Tripura, by whatever name called, with the prior approval of the Chief Commissioner.

4. Deeds, contracts and other instruments relating to expenditure on conservancy of forests and works undertaken by the Forest Department upto a total value of Rs. 10,000; by the Chief Forest Officer, Tripura, by whatever name called, with the prior approval of the Chief Commissioner.

5. Contracts and other instruments relating to matters connected with the supply of stores, clothing etc. upto a limit of Rs. 10,000; by the Head of the Department or office concerned with the prior approval of the Chief Commissioner.

6. Deeds, contracts and other instruments relating to the Public Works Department upto a limit of Rs. 10,000; by the Chief P.W.D. Officer, Tripura, by whatever name called, with the prior approval of the Chief Commissioner.

7. Instruments whereby property is mortgaged to Government as security for a loan; by the Chief Commissioner.

8. Contracts for the supply of articles for use in Jails or the sale of articles manufactured in Jails, if the total value exceeds Rs. 10,000; by the Superintendent of Jail, with the prior approval of the Chief Commissioner.

9. Deeds, contracts and instruments not specified in any of the items mentioned above and connected with any department or office under his control and falling within his jurisdiction as head of the administration of Tripura; by the Chief Commissioner.

XXXIII.—In the tribal areas administered by the Governor of Assam as regards contracts, etc., not hereinbefore specified:—

1. (a) Contracts and other instruments in matters connected with prospecting and exploring licenses and mining leases; and

(b) Contracts and other instruments for the sale, purchase, supply, carriage or conveyance of stores and building materials and for the provision of labour and for the Public Works and such like engagements; by the Deputy Commissioner, Naga Hills (Tuensang Area); Political Officers, Mishimi Hills District, Abor Hills District, Subansiri Area, Balipara Frontier Tract (Sela Sub-Agency) and Tirap Frontier Tract.

2. Service contracts to be executed in connection with the recruitment of Officers to the Assam Rifles; by the Inspector-General of Assam Rifles.

3. All deeds and instruments relating to matters other than those specified in items 1 and 2 above; by the Adviser to the Governor of Assam for Tribal Areas.

XXXIV.—In all other cases:—

All deeds and instruments relating to matters other than those hereinbefore specified; by the Secretary or the Additional Secretary or a Joint Secretary or where there is no Additional Secretary or Joint Secretary, a Deputy Secretary to the Central Government in the appropriate Ministry and in the case of the Parliament Secretariat by the Secretary of that Secretariat and in the case of the Union Public Service Commission, by the Secretary of the Commission.

[No. F. 35-II/51-L.]

K. V. K. SUNDARAM,  
Secretary.

## MINISTRY OF HOME AFFAIRS

*New Delhi, the 1st February 1952*

**S.R.O. 216.**—In pursuance of section 5 of the Scheduled Areas (Assimilation of Laws) Act, 1951 (XXXVII of 1951), the Central Government hereby specifies the tribes mentioned in the Schedule annexed hereto, being tribes other than those specified in Item 2 of Part I—Assam, of the Schedule to the Constitution (Scheduled Tribes) Order, 1950, in relation to which the provisions of the said section shall apply.

*The Schedule.*

Mijis.  
Hill Miris.  
Phakials.  
Duonias.

[No. 16/6/51-Judl.]

*New Delhi, the 2nd February 1952*

**S.R.O. 217.**—In exercise of the powers conferred by section 2 of the Part C States (Laws) Act, 1950, (XXX of 1950), the Central Government hereby directs that the following amendments shall be made in the Notification of the Government of India in the Ministry of Home Affairs, No. S.R.O. 958, dated the 25th June 1951, namely:—

In the said Notification—

1. For item (b) of modification (1) the following item shall be substituted, namely:—

“(b) for the words “the Director of Agriculture” the words “the Development Officer, Delhi” shall be substituted”.

2. For modification (3), the following modification shall be substituted, namely:—

“(3) In section 2 for clause (c) the following clause shall be substituted, namely:—

“Director” means “the Development Officer, Delhi”

3. For modification (6) the following modification shall be substituted, namely:—

“(6) In section 7 for the words “the Agriculture Department, Punjab” the words “the office of the Development Officer, Delhi” shall be substituted”.

[No. 20/8/51-Judl.]

*New Delhi, the 5th February 1952*

**S.R.O. 218.**—In pursuance of clause (1) of article 239 of the Constitution, the President hereby directs that the Chief Commissioners of Ajmer, Coorg and Delhi, shall, subject to the control of the President and until further orders, exercise the powers and discharge the functions of the State Government under the proviso to section 4, sub-section (3) of section 5, sub-sections (1), (2) and (3) of section 7, and sub-section (3) of section 9 of the Cinematograph Act, 1918 (II of 1918), as for the time being in force in their respective States.

[No. 20/17/51-Judicial.]

E. C. GAYNOR, Dy. Secy.

*New Delhi, the 5th February 1952*

**S.R.O. 219.**—In exercise of the powers conferred by clause (2) of article 77 of the Constitution, the President hereby directs that the following further amendment shall be made in the rule regarding the authentication by signature of orders and other instruments made and executed in the name of the President, published with the Notification of the Government of India in the Ministry of Home Affairs No. S.R.O. 167, dated the 19th June 1950, namely:—

After clause (6) of the said rule the following shall be added, namely:—

“or

(7) In the case of orders and other instruments in the Ministry of External Affairs, by the Attachés in that Ministry.”

[No. 34/2/52-Public.]

FATEH SINGH, Dy. Secy.

**MINISTRY OF EXTERNAL AFFAIRS***New Delhi, the 31st January 1952*

**S.R.O. 220.**—In exercise of the powers conferred by sections 5 and 7 of the Indian Explosives Act, 1884 (IV of 1884), as applied to Chandernagore by the Chandernagore (Application of Laws) Order 1950, the Central Government hereby directs that the Explosives Rules, 1940, shall apply to Chandernagore.

[No. 40-Eur.I.]

**S.R.O. 221.**—In exercise of the powers conferred by section 4 of the Foreign Jurisdiction Act, 1947 (XLVII of 1947), and of all other powers enabling it in this behalf, the Central Government hereby directs that the following further amendment shall be made in the Chandernagore (Application of Laws), Order 1950:—

In the Schedule annexed to the said Order, after the entry relating to the Indian Penal Code, the following entry shall be inserted, namely:—

“1861 The Police Act, 1861”. For the words “District Superintendent” and “District Superintendent of Police” wherever they occur, substitute the words “Commissioner of Police”.

[No. 42-/Eur.I/52.]

M. A. VELLODI, Under Secy.

**MINISTRY OF FINANCE****DEPARTMENT OF ECONOMIC AFFAIRS***New Delhi, the 28th January, 1952*

**S.R.O. 222.**—In exercise of the powers conferred by section 53 of the Banking Companies Act, 1949 (X of 1949), and on the recommendations of the Reserve Bank of India, the Central Government hereby directs that the following amendment shall be made in the Notification of the Government of India in the Ministry of Finance No. 4(260)-F.I/51, dated the 7th December, 1951, namely:—

*Amendment*

In the said Notification, after the words ‘held by it’ the words and figures ‘as on the 13th March, 1951’ shall be inserted.

[No. D.7789-F.I/51.]

S. K. SEN, Dy. Secy.

**MINISTRY OF FINANCE (REVENUE DIVISION)****INCOME-TAX***New Delhi, the 4th February 1952*

**S.R.O. 223.**—*Corrigendum.*—In the Ministry of Finance (Revenue Division) Notification No. 98 (S.R.O. 1492), dated the 20th September 1951 appearing on page 1664 of Part II—Section 3, of the Gazette of India, dated the 29th September 1951, for the brackets and figures “(iii)” and “(iv)” read “(iv)” and “(v)” respectively

[No. 5.]

S. P. LAHIRI, Dy. Secy.

**CENTRAL EXCISES***New Delhi, the 9th February 1952*

**S.R.O. 224.**—In exercise of the powers conferred by section 37 of the Central Excises and Salt Act, 1944 (I of 1944), the Central Government hereby directs that the following further amendment shall be made in the Central Excise Rules, 1944, namely:—

In sub-rule (1) of rule 8 of the said Rules, after the word ‘exempt’ the following words shall be inserted, namely:—

“subject to such conditions as may be specified in the notification.”

[No. 2.]

D. P. ANAND, Dy. Secy.

**CENTRAL BOARD OF REVENUE****INCOME-TAX***New Delhi, the 31st January 1952*

**S.R.O. 225.**—In pursuance of sub-section (4) of section 5 of the Indian Income-tax Act, 1922 (XI of 1922), and in partial modification of its Notification No. 32-Income-tax, dated the 8th November, 1946 the Central Board of Revenue directs that the 1st Additional Appellate Assistant Commissioner of Income-tax, Patna shall also and the Appellate Assistant Commissioner of Income-tax, Muzaffarpur shall not perform his functions in respect of Messrs. Kundanmal Nathmal of Darbhanga for their appeal No. I.T.A. No. 117-Darbhanga of 1948-49.

[No. 3.]

*New Delhi, the 2nd February 1952*

**S.R.O. 226.**—In pursuance of sub-section (4) of section 5 of the Indian Income-tax Act, 1922 (XI of 1922), and in partial modification of its Notification No. 32-Income-tax, dated the 8th November, 1946, the Central Board of Revenue directs that the Appellate Assistant Commissioner of Income-tax, Madura shall also and the Appellate Assistant Commissioner of Income-tax, Tiruchirapally shall not perform his functions in respect of the estate of A.V.P.M.R.M. Lakshmanan Chettiar, by legal heirs M.R. Deivanai Achi and L. Deivanai Achi K. K. I., for appeal No. I.T.A.446/48-49, against the assessment for the year 1940-41.

[No. 4.]

*New Delhi, the 5th February 1952*

**S.R.O. 227.**—In pursuance of sub-section (4) of section 5 of the Indian Income-tax Act, 1922 (XI of 1922), and in partial modification of its Notification No. 32-IT, dated the 9th November 1946, the Central Board of Revenue directs that the Appellate Assistant Commissioner of Income-tax, Delhi 'A' Range shall also and the Appellate Assistant Commissioner of Income-tax, Delhi 'C' Range shall not perform his functions in respect of the Liquidator, Delhi Electric Supply and Traction Co. Ltd., Delhi, for appeal No. 58 of 51-52 against the assessment for the year 1947-48.

[No. 6.]

K. B. DEB, Under Secy.

**CUSTOMS***New Delhi, the 5th February 1952*

**S.R.O. 228.**—In exercise of the powers conferred by clause (c) of section 11 of the Sea Customs Act, 1878 (VIII of 1878), the Central Board of Revenue hereby directs that the Notification No. 65-Customs, dated the 15th July 1950, issued by it shall be cancelled.

[No. 27.]

D. P. ANAND, Secy.

**MINISTRY OF COMMERCE AND INDUSTRY***Bombay, the 4th February 1952*

**S.R.O. 229.**—In exercise of the powers conferred on me by clause 6 of the Cotton Control Order, 1950, I hereby direct that the following further amendments shall be made in the Textile Commissioner's Notification No. S.R.O. 1793, dated the 21st November, 1951, namely:—

In the said Notification, In the preamble for the words and figures "Indian Cotton produced during the cotton season 1951-52 in the area specified in the Schedule attached hereto" the words and figures "Assam/Comilla cotton produced during the cotton season 1951-52 or any other description of Indian cotton produced during that season in any of the areas specified in the Schedule hereto annexed" shall be substituted.

T. SWAMINATHAN,  
Textile Commissioner.  
[No. 46(39)CT(A)/51.]

S. A. TECKCHANDANI, Under Secy.

*New Delhi, the 4th February 1952*

**S.R.O. 230.**—In exercise of the powers conferred by section 3 of the Essential Supplies (Temporary Powers) Act, 1946 (XXIV of 1946), the Central Government hereby directs that the following further amendment shall be made in the Cotton Control Order, 1950, namely:—

In the said Order, in the Exception to clause 9 after item (b) the following item shall be inserted, namely:—

“(c) to cotton known as Assam/Comilla.”

[No. 48(39)CT(A)/51(1).]

C. R. NATESAN, Dy. Secy.

### MINISTRY OF HEALTH

*New Delhi, the 4th February 1952*

**S.R.O. 231.**—Dr. Ramchandra Vishwanath Sathe, M.B.B.S. (Bom.), M.D. (Bom.), M.R.C.P.(Lond.), has been duly elected as a member of the Medical Council of India under clause (c) of sub-section (1) of section 3 of the Indian Medical Council Act, 1933 (XXVII of 1933), with effect from the 9th January, 1952, vice Dr. V. R. Khanolkar.

[No. F. 5-5/51-MI.]

S. DEVANATH, Under Secy.

*New Delhi, the 4th February 1952*

**S.R.O. 232.**—In pursuance of item (30) in Part II of the Schedule to the Dentists Act, 1948 (Act XVI of 1948), the Dental Council of India hereby approve the following foreign qualification, namely:—

“The qualification of dental specialist granted by the Faculty of Medicine, University of Vienna, after a two-year course in dentistry prior to which the M. D. Degree of that University has been obtained”.

[No. F. 6-1/52-MI.]

B. S. RAIZADA, Secy.,  
Dental Council of India.

S. DEVANATH, Under Secy.

### MINISTRY OF EDUCATION

#### ARCHÆOLOGY

*New Delhi, the 30th January 1952*

**S.R.O. 233.**—In exercise of the powers conferred by sub-section (3) of section 3 of the Ancient Monuments Preservation Act, 1904 (VII of 1904), the Central Government in the Ministry of Education is pleased to confirm its Notification No. F.4-16/-A.2., dated the 31st August 1951 declaring the ancient monument (Navaratna temple at Brahmandihi, District Birbhum, (West Bengal) described in the Scheduled annexed thereto to be a protected monument within the meaning of the said Act.

[No. F.4-16/48-A.2.]

B. CHATTERJEE, Under Secy.

### MINISTRY OF NATURAL RESOURCES AND SCIENTIFIC RESEARCH

*New Delhi, the 1st February 1952*

**S.R.O. 234.**—In exercise of the powers conferred by section 5 of the Mines and Minerals (Regulation and Development) Act, 1948 (LIII of 1948), the Central Government hereby directs that the following amendment shall be made in the Mineral Concession Rules, 1949, namely:—

In rule 57 of the said Rules, after clause (i) the following clause shall be inserted, namely,

“(i-A) refusing to renew a certificate of approval.”

[No. M.II-159(12).]

New Delhi, the 2nd February 1952

**S.R.O. 235.**—In exercise of the powers conferred by section 5 of the Mines and Minerals (Regulation and Development) Act, 1948 (LIII of 1948), the Central Government hereby directs that the following amendments shall be made in the Petroleum Concession Rules, 1949, namely:—

In the said Rules—

1. For the words "Province" or "Provincial" wherever they occur, the word "State" shall be substituted.
2. In rule 1, after sub-rule (i) the following sub-rule shall be inserted, namely:—  
(IA) They extend to the whole of India except the State of Jammu and Kashmir."
3. In rule 3, the definitions of the terms "Indian citizen" and "Provincial Government" shall be omitted.
4. In rule 60, for the words "an Indian citizen" and "Indian citizens" the words "a citizen of India" and "citizens of India" shall, respectively, be substituted.

[No. MII-167(1).]

T. GONSALVES, Dy. Secy.

### MINISTRY OF INFORMATION AND BROADCASTING

New Delhi, the 4th February 1952

**S.R.O. 236.**—In exercise of the powers conferred by sub-section (5) of section 6 of the Cinematograph Act, 1918 (II of 1918), the Central Government hereby directs that the film entitled "His Kind of Woman" produced by R.K.O. Radio Pictures Ltd., of U.S.A. shall be deemed to be an uncertified film in the whole of the territories to which the said Act extends.

[No. 20/46/51-F.]

G. B. RAO, Dy. Secy.

### MINISTRY OF REHABILITATION

New Delhi, the 28th January 1952

**S. R. O. 237.**—In exercise of the powers conferred by section 58 of the Administration of Evacuee Property Act 1950 (XXXI of 1950) the Central Government hereby directs that the following amendments shall be made in the Administration of Evacuee Property (Central) Rules, 1950, namely:—

For the Table appended to sub-rule (1) of rule 32 of the said Rules the following Table shall be substituted, namely:—

"(I) Appeals—

	Rs	As.	Ps.
(i) to the Custodian General . . . . .	20	0	0
(ii) to the Custodian Additional Custodian or the specially designated District Judge.	10	0	0

(II) Petitions—

(i) for revision when made to the Custodian General . . . . .	10	0	0
(ii) for revision when made to the Custodian or Additional Custodian except in rent cases.	5	0	0
(iii) for review . . . . .	5	0	0
(iv) for revision of rent when made to the Custodian, Additional Custodian or Authorized Deputy Custodian—			
(a) where the monthly rent already assessed does not exceed Rs. 5. . . . .	0	8	0
(b) where the monthly rent already assessed exceeds Rs. 5 but does not exceed Rs. 10 . . . . .	1	0	0
(c) where the monthly rent already assessed exceeds Rs. 10 but does not exceed Rs. 20 . . . . .	2	0	0
(d) where the monthly rent already assessed exceeds Rs. 20 . . . . .	5	0	0

## (III) Applications—

Rs. As. p.

(i) any application under section 16 for restoration of property . . . . .	10	0	0
(ii) any application under section 40 for confirmation of transfer :—			
(a) where the consideration for the transfer does not exceed Rs. 1,000 . . . . .	2	0	0
(b) where the consideration for the transfer exceeds Rs. 1,000 but does not exceed Rs. 5,000 . . . . .	5	0	0
(c) where the consideration for the transfer exceeds Rs. 5,000 but does not exceed Rs. 10,000 . . . . .	10	0	0
(d) in all other cases . . . . .	20	0	0
(iii) any application under section 23 for an intending evacuee being called upon to pay up the deficiency in the considera- tion paid by him for an evacuee property in Pakistan . . . . .	5	0	0
(iv) any application for a copy of any document or order . . . . .	0	2	0
(v) any application not otherwise provided for but made in rela- tion to a proceeding under section 7, 16, 19, 22 or 40 :—			
(i) when made to the Custodian General . . . . .	2	0	0
(ii) when made to any other officers . . . . .	1	0	0
(vi) any application of a miscellaneous nature not otherwise pro- vided for . . . . .	0	2	0

[No. 30(1)/51-Prop.]

O. R. KOHLI, Dy. Secy.

New Delhi, the 31st January 1952

**S.R.O. 238.—Corrigendum.**—In the Ministry of Rehabilitation notification No. 82(14)/51-Prop., dated the 15th January 1952, regarding appointment of Competent Officers in certain States under the Evacuee Interests (Separation) Act, 1951 (LXIV of 1951), published in part II—Section 3 of the Gazette of India, dated the 19th January 1952—

For the words “Shri J. D. Mehta” substitute “Shri N. D. Mehta”.

MANMOHAN KISHAN, Asst. Secy.

New Delhi, the 1st February, 1952

**S.R.O. 239.**—In exercise of the powers conferred by section 16 of the Displaced Persons (Claims) Act, 1950 (XLIV of 1950), the Central Government hereby directs that the following amendment shall be made in the Displaced Persons (Verification of Claims) Rules, 1950, namely:—

In the said rules—

(a) to rule 6, the following further proviso shall be added, namely:—

Provided further that where the Claims Officer is satisfied that the notice was not duly served upon the claimant, he may entertain an application under the preceding proviso after the expiry of the period of sixty days prescribed therein.

(b) For rule 17, the following rule shall be substituted, namely:—

17. *Service of order or notice.*—(1) Every order or notice made or issued under these rules shall be served by post to the claimant at the address supplied by him in his claim form.

(2) The service of an order or notice under sub-rule (1) shall be deemed to be effected by properly addressing, pre-paying and posting by registered post, a letter containing the document, and, unless the contrary is proved, to have been effected at the time at which the letter would be delivered in the ordinary course of post.

[No. 32(67)AE/51.1]

K. J. GEORGE, Under Secy.

## MINISTRY OF TRANSPORT

### MERCHANT SHIPPING

*New Delhi, the 9th February 1952*

**S.R.O. 240.**—In exercise of the power conferred by section 21 of the Indian Merchant Shipping Act, 1923 (XXI of 1923), and in supersession of the notification of the Government of India in the Ministry of Commerce and Industry No. S. R. O. 355, dated the 17th March 1951, the Central Government is pleased to make the following rules to regulate the granting of certificates of competency to engineers (including motor engineers).

### CHAPTER I

#### GENERAL

**1. Certificates of Competency.**—Certificates of competency will be granted to those persons who pass the requisite examinations and otherwise comply with the requisite conditions.

2. The term ‘certificate’ in these rules means any certificate referred to in section 12 of the Indian Merchant Shipping Act, 1923. A list of the British Possessions issuing certificates (see section 12 (b) of the Indian Merchant Shipping Act, 1923) is given in Appendix E.

3. Three kinds of certificates are granted by the Government of India :—

(a) Certificates of Competency (First and Second Class) as follows :—

(i) Steam Certificates entitling the holders to serve as engineers in the grade certified in steam ships.

(ii) Motor Certificates entitling the holders to serve as engineers in the grade certified in motor ships, i.e., ships propelled by internal combustion engines using oil, spirit, gas, or other similar motive agent.

(iii) Combined Steam and Motor certificates entitling the holders to serve as engineers in the grade certified in both steam and motor ships.

(b) *Certificates of Service.*—An officer who has attained the rank of Lieutenant (E) or Sub-Lieutenant (E) in His Majesty’s Navy, or in the Indian Navy, or in the Royal Australian Navy, or in the Royal Canadian Navy, is entitled on payment of the appropriate fee (see paragraph 69), without examination, if a Lieutenant (E), to a certificate of service as First Class Engineer, and if a Sub-Lieutenant (E), to a Certificate of service as Second Class Engineer. These officers may be examined for certificates of competency on the same conditions as engineers in the Mercantile Marine.

An Officer who has attained the rank of Chief Artificer Engineer or Commissioned Engineer in His Majesty’s Navy, is also entitled without examination to a certificate of service as Second Class Engineer, on payment of the appropriate fee.

Certificates of Service issued by a Commonwealth Country (including India) entitle the holders to go to sea, in the grades certified, as engineers of any ships in the Mercantile Marine, however propelled.

(c) *Extra First Class Engineer Certificates* (see paragraph 20).—The examinations for these Certificates are intended for officers who wish to prove their superior qualifications and to have certificates of the highest grade granted by the Central Government.

4. *Dominion or Colonial Local Certificates.*—The holder of a Dominion or Colonial Certificate of Competency not granted under the Merchant Shipping Act,

or of a Certificate granted after examination on board one of His Majesty's Ships who wishes to be examined for a Government of India Certificate of the same grade, must prove that he has performed the amount of service required by these regulations for that grade, and complied with the conditions laid down as to testimonials.

All Dominion, Colonial or Board of Trade Certificates of Competency, whether Local or issued under Order in Council, must be given up before a further Certificate is issued by the Government of India.

*5. Endorsement of Certificates.*—Holders of First or Second Class Certificates, Steam or Motor, will, after serving the necessary period of qualifying sea time in the other type of ship and passing the endorsement examination in the same class as for the certificate which they hold, be furnished with a combined Steam and Motor Certificate, entitling them to serve in either type of ship. Candidates holding a First Class Certificate for one type of ship who have passed the Second Class Examination only for the other type of ship will have their First Class Certificate endorsed accordingly.

## CHAPTER II

### QUALIFICATIONS REQUIRED FOR THE VARIOUS GRADES OF CERTIFICATES OF COMPETENCY

*6. Age.*—A candidate for a Second Class Certificate must be not less than 21 years of age and must satisfy the requirements specified in rules 7 to 46 as regards workshop service and sea service. A candidate for a First Class Certificate must be not less than 22½ years of age and must satisfy the requirements as to sea service.

#### A.—Workshop Service

*7. Type of work accepted.*—A candidate for a Second Class Certificate must prove that since reaching the age of 15 he has served satisfactorily for not less than four years as apprentice engineer or journeyman on work suitable for the training of a marine or mechanical engineer in the manufacture of machinery, such as work in workshops in which the manufacture and maintenance of substantial machinery is performed—*e.g.*, marine engines (steam and oil), substantial auxiliaries (pumps, generators, etc.), steering gears, locomotives, industrial power plant, and substantial machines used in electric generating, textile, mining, milling or refining industries.

8. Time served in workshops on other types of work may be allowed to count in part towards the necessary four years of workshop service. Candidates who are permitted to include service of this kind in their workshop period will, however, be required to perform further service in an engineering workshop of a suitable character or on regular watch or day work at sea—the period of extra service being determined in each case by the Chief Examiner.

9. Not less than two of the four years' workshop service required should have been devoted to fitting, erecting or repairing of machinery of a suitable size, either in the works or outside; the remaining two years may have been spent either (a) on work of this nature, or (b) on work in other branches of the trade, subject to the time allowance here specified, or (c) at an approved technical school subject to the conditions specified in paragraph 13 to 15.

Metal turning . . . . . Full time up to a maximum of two years.

Brass finishing (good heavy work) Full time up to a maximum of one year.

Boiler making or repairing of boilers. Full time up to a maximum of one year.

Pattern making . . . . . Full time up to a maximum of one year.

Planing, slotting, shaping and milling.	Full time up to a maximum of one year.
Smith work . . . . .	Full time upto a maximum of six months.
Coppersmith work . . . . .	Full time up to a maximum of six months.
Work in drawing office as draughtsman or engineer.	Full time up to one year. When more than one year has been spent in the drawing office, only half the additional time will count.
Welding . . . . .	Full time up to a maximum of three months.
Electric shop or repair work which does not qualify under para. 7 (excluding work of minor nature).	Full time up to one year, additional at half rate. Maximum total 18 months.

10. If the total period of the candidate's workshop service, as calculated in accordance with paragraph 9 is less than four years, the candidate may make up the deficiency by service at sea either (a) on day work as engineer on board foreign-going or home trade steam ships of not less than 66 nominal horse-power and or motor ships of not less than 373 brake horse-power, or (b) on regular watch on such ships. Two-thirds of the time so spent, on foreign-going ships and four-ninths of the time so spent on home trade ships will be counted. No day work at sea performed before the age of 20 will be accepted.

11. *Service in Colonial and Foreign Workshops.*—Rules 7 to 9 apply to service in the United Kingdom or India only. Service in a Colonial or foreign workshop will not be accepted unless the Examiner is satisfied in each case that its value is substantially equivalent to that of service performed in the United Kingdom or India. In cases where the Examiner is not satisfied that the value is equivalent, he should refer the matter to the Chief Examiner.

12. *Testimonials.*—All candidates will be required to produce testimonials as to their workshop service. These testimonials must be signed by the employer or his representative, and must testify to the candidate's conduct and ability, and state the kind of work on which he was engaged and the period of time spent in each branch, e.g., fitting, erecting, turning, machine work, etc. Testimonials will be returned to candidates when the examination is completed.

13. *Technical Schools.*—Time spent at an approved day Technical School where there is an engineering laboratory is, subject to the conditions mentioned in Appendix D, accepted in lieu of workshop service, usually in the ratio of three years' attendance at the Technical School to two years workshop service, provided that the candidate has taken the full engineering course, and can produce the Principal's certificate for regular attendance at all the approved classes and for satisfactory progress. Where a candidate performs during the vacations of a school course workshop service of the type referred to in paragraph 7 and 9 for a continuous period of not less than four months, the school course and the time spent in the works will be assessed separately; the period spent in the workshops will be counted at the full rate, the remaining portion of the year being assessed at two-thirds rate.

14. Time spent in attending evening classes in engineering at approved Technical Schools will similarly be allowed to count under the following conditions:—

(a) Each candidate claiming an allowance for time spent in attending evening classes at a Technical School must produce a certificate signed by the Principal of the school to the effect that he has attended regularly at a definite class or classes which should be specified, and has made satisfactory progress. This certificate must also state the total number of hours spent by the candidate in attending each class.

(b) Time spent by the candidate in attending such classes as have a direct bearing on the training of a marine or mechanical engineer will be reckoned at the rate of five hours to one day. The total number of days so obtained will then be accepted in lieu of two-thirds of the same period of workshop service.

15. Time spent in foreign technical schools will not be recognized except in special circumstances.

16. A list of approved Technical Schools and the time allowed for attendance at each is given in Appendix D.

#### B.—Sea Service

17. Candidates for Second Class Certificates or endorsements must, after completing the workshop service required in paragraphs 7 to 9 and the sea service (if any) accepted in lieu of workshop service under paragraph 10 have performed in foreign-going steam ships of not less than 66 nominal horse-power and/or motor ships of not less than 373 brake horse-power, the period of sea service set out in paragraph 23 as an engineer at sea on regular watch, i.e., at least eight hours per day. The conditions under which service performed in ships, other than foreign-going ships, is allowed to count towards the qualifying periods of sea service for Second Class Certificates are set out in paragraphs 27 to 34.

18. Candidates for First Class Certificates or endorsements must have completed the period of sea service set out in paragraph 24 on foreign-going ships of not less than 99 nominal horse-power and/or motor ships of not less than 560 brake horse-power, whilst in possession of a Second Class Certificate. The service should have been performed as senior engineer in charge of the entire watch, but service as second in seniority on ships propelled by two or more sets of engines, or on large single-screw ships where there are three or more engineers on regular watch at the same time, will also be accepted at full time value. Service below this rank on such ships will count at half rate. The conditions under which service performed in ships, other than foreign-going ships, is allowed to count towards the qualifying periods for First Class Certificates are set out in paragraphs 27 to 34.

19. The Government of India may, in special circumstances, allow a candidate who, in consequence of service abroad, has had no opportunity to obtain a recognised Second Class Certificate to be examined for a First Class Certificate, provided he is able to satisfy them as to the satisfactory character of his service. In general, such candidates will be required to prove that they have served for at least four years in steam ships of at least 99 nominal horse-power or motor ships of at least 560 brake horse-power, of which period at least 18 months must have been spent in charge of the entire watch on the boilers and main propelling machinery of a steam ship or on the main propelling machinery of a motor ship. If any such candidate fails to pass the examination for the First Class Certificate but shows that he has reached the standard required for a Second Class Certificate, the Government of India may grant him such a certificate, but no part of the fee will be returned.

20. A candidate for an Extra First Class Engineer's Certificate must possess a First Class Engineers Steam Certificate or a First Class Motor Certificate endorsed for Steam or a First Class Combined Steam and Motor Certificate, or a First Class Certificate of Service but is not required to have performed any additional sea service.

21. Sea service means service on Articles. When part or the whole of the qualifying service has been performed in ships which for considerable periods have not been at sea, a statement or certificate from the owners of the ships should be produced showing the proportion of time actually spent at sea. If this time amounts to not less than two-thirds of the service required to qualify for the examination, the service will be accepted in full, but where the actual service at sea falls below this proportion, the deficiency must be made up by additional service at sea.

22. Service in ships where a watchkeeping engineer is, as part of his regular duties, required to do stoking or other works not usually performed by an engineer in the Mercantile Marine, cannot be accepted as qualifying.

23. The sea service required by these rules is, unless otherwise stated, service performed in ships propelled by engines of at least the horse-power specified for the respective grades of certificate. The nominal horse-power of a steam ship, as given on the Certificate of Registry, may in all cases be accepted by the Examiners; or it may be determined by the following formula:—

$$\text{N. H. P.} \quad \frac{(3H + D^2 \sqrt[3]{S})}{700} \sqrt[3]{P}$$

where  $H$ =heating surface of main boilers in square feet, measured down to the level of the fire bars, but excluding the front tube plate.

$D^2$ =square of diameter of low pressure cylinder, or sum of squares of diameters of cylinders in non-compound engines, measured in inches.

$S$ =length of stroke of engines in inches.

$P$ =Pressure of main boiler in pounds per square inch.

24. *Periods of service.*—Subject to the conditions laid down in paragraphs 17 to 22, the periods of service which will qualify a candidate to sit for examination are as follows:—

(a) For Steam Certificates, First and Second Class, 18 months, of which at least 9 months must have been spent on the boilers and main propelling machinery of a steam ship.

This period of at least nine months must have included at least six months' service on the boilers and six months' service on the main propelling machinery, but the service on the boilers and on the main propelling machinery may have been simultaneous.

The remaining nine months (or balance of nine months) may have been spent on the boilers of a steam ship, or on the main propelling machinery of a steam or motor ship, or on suitable auxiliaries of steam or motor ship (see paragraph 25), or on day work (see paragraph 26). This period of 9 months (or balance of 9 months) may be reduced by not more than three months in virtue of attendance at a marine department of a technical school (see paragraphs 44 and 45).

(b) For Motor Certificates, First and Second Class, 18 months, of which at least six months must have been spent on the main propelling machinery of a motor ship.

The remaining 12 months (or balance of 12 months) may have been spent on the main propelling machinery of a steam or motor ship, or on suitable auxiliaries of a steam or motor (see paragraph 25), or to the extent of not more than six months on the boilers of a steam ship, or on day work (see paragraph 26). This period of 12 months (or balance of 12 months) may be reduced by not more than three months in virtue of attendance at a marine department of a technical school (see paragraphs 44 and 45).

(c) For combined Steam and Motor Certificates First and Second Class, 21 months, of which at least:—

(i) Nine months must have been spent on the boilers and main propelling machinery of a steam ship.

This period must have included at least six months' service on the boilers and six months' service on the main propelling machinery, but the service on the boilers and main propelling machinery may have been simultaneous; and

- (ii) Six months must have been spent on the main propelling machinery of a motor ship.
- (iii) The remaining six months (or balance of six months) may have been spent on the boilers of a steam ship or on the main propelling machinery of a steam or motor ship or on suitable auxiliaries of a steam or motor ship (see paragraph 25), or on day work (see paragraph 23). This period of six months or balance of six months may be reduced by not more than three months in virtue of attendance at a marine department of a technical school (see paragraphs 44 and 45).
- (d) For Motor Endorsement of a Steam Certificate, First and Second Class, a total of 21 months\*, which must have included at least six months' service on the main propelling machinery of a motor ship.
- (c) For Steam Endorsement of a Motor Certificate, First and Second Class a total of 21 months\*, which must have included at least nine months' service on boilers and main propelling machinery of a steam ship.

This period of at least nine months must have included at least six months' service on the boilers and six months' service on the main propelling machinery, but the service on the boilers and on the main propelling machinery may have been simultaneous.

**25. Service on auxiliary machinery.**—Time served on auxiliary machinery run in conjunction with the main propelling machinery (*i.e.*, on auxiliaries which are essential to the running of the main propelling machinery and/or boilers) will, subject to the conditions as regards the minimum service on boilers and main engines, be allowed to count in full towards the qualifying period of sea service. Time served on suitable auxiliaries run independently of the main propelling machinery will be allowed to count at half rate.

**26. Day work.**—Day work, by which is meant engineering work at sea other than that performed on regular watch, will be counted at half rate with a maximum allowance of six months towards the qualifying period of sea service but only for a Second Class Certificate or endorsement and only provided that the work has been carried out within the engine or boiler spaces of a steam or motor ship at sea.

**27. Home Trade Ships.**—Service in home or coasting trade is regarded as equivalent to two-thirds of the same period of service in foreign-going ships, provided the service is of the character denoted in paragraphs 17 and 18.

**28.** In the case of Indian home trade and coasting voyages extending beyond a distance of 500 miles from the port of departure such service will count as foreign voyages, and will be reckoned as full time.

**29. Service in ships trading entirely abroad.**—Service in ships trading entirely abroad will be accepted as equivalent to service in foreign-going ships, provided that the distance between the ports visited during the course of the voyage is at least 500 miles. If the distance is less than 500 miles, the service will be accepted as equivalent only to service in the home trade *i.e.*, it will be allowed to count at two-thirds rate.

**30. Lake or River Service.**—Service as watch-keeping engineer on a lake or river vessel will be accepted under the following conditions for a Steam or Motor Certificate, or a combined Steam and Motor Certificate, and will be counted at half rate (*i.e.*, two months of lake or river service will be regarded as equivalent to one month's foreign-going sea service) provided that:—

- (a) in the case of a candidate for a Second Class Certificate, the service has been performed on lake or river steam vessels of not less than 66 nominal

\*This total period of 21 months includes the 18 months service required for the certificate.

horse-power and/or motor vessels of not less than 373 brake horse-power, and the candidate has in addition to his lake or river service, had at least three months' qualifying service at sea, in a foreign-going ship or the equivalent service in the home trade; or

- (b) in the case of a candidate for a First Class Certificate, the service has been performed on lake or river steam vessels of not less than 99 nominal horse-power and/or motor vessels of not less than 560 brake horse-power, and the candidate has, in addition to his lake or river service, had at least six months' qualifying service\* at sea, in foreign-going ships or the equivalent service in the home trade; and
- (c) the Central Government is satisfied that service as watch-keeping engineer on a lake or river vessel is otherwise comparable to service on Foreign-going vessels.

31. *Service in tugs, dredgers, fishing vessels or pilot vessels.*—Service as engineer in sea-going tugs, dredgers or fishing vessels, and in pilot vessels when on their station or when going to or returning from their station, will be accepted towards the qualifying period of sea service at half rate.

32. Candidates for Second Class Certificates may perform all their qualifying sea service on regular watch in sea-going tugs, dredgers, fishing vessels or pilot vessels, of not less than 66 nominal horse-power, if steam, or 373 brake horse-power, if motor. Candidates for First Class Certificates must, however, in addition to their service in charge of the watch in sea-going tugs, dredgers, fishing vessels or pilot vessels, of not less than 99 nominal horse-power, if steam, or 560 brake horse-power, if motor, have served in a qualifying capacity (see paragraph 18) for not less than six months in a foreign-going ship or have performed equivalent service in the home trade.

33. *Service in Yachts.*—Service as watch-keeping engineer at sea performed, in yachts of the horse-power referred to in paragraphs 17 and 18 will be accepted at two thirds rate, provided the service satisfies the requirements set out in those paragraphs and the candidate's name and rank are entered on the ship's Articles.

34. A candidate for a First Class Certificate must, however, in addition to his service on yachts, have had at least three months' service in a qualifying capacity on board a foreign-going ship, or the equivalent service in the home trade, unless he has served for 27 months as First Engineer or for three years as a Second Engineer on a steam yacht of not less than 99 nominal horse-power and/or a motor-yacht of not less than 560 brake horse-power.

35. *Testimonials.*—Every candidate must produce testimonials in respect of the qualifying period of his service signed, in each case, by the Chief Engineer under whom his service has been performed, stating his actual rank on watch, the number of engineers simultaneously on watch on the boilers and/or the main propelling machinery, and the nature of the duties performed by him. When the candidate is a Chief Engineer, he should produce testimonials signed by the Engineer Superintendent, or by the Managing Owner or Secretary of the Company. It is desirable that the whole of the candidate's sea service should be covered by testimonials certifying to his sobriety, experience, ability, and general good conduct.

36. It is desirable that testimonials signed by Chief Engineers be endorsed by the Engineer Superintendent or the Master or other representative of the owner. Testimonials signed only by the Company's Superintendent or other officials will not, as a rule, be regarded as sufficient.

37. A specimen copy of the form of testimonial recommended is shown in Appendix C. Testimonials will be returned to candidates when the examination is completed.

\*The conditions under which sea service must be performed in order to count towards the qualifying periods for Second and First Class Certificates are set out in paragraphs 17 and 18, respectively.

**38. Physical defects.**—When a candidate is hard of hearing or suffers from any physical defect of such a nature as might interfere with the proper performance of his duties as an engineer on watch, the signatories of his testimonials should state whether such defect did in fact interfere in any way with the efficient discharge of the candidate's duties.

**39. Verification of sea service.**—Service which cannot be verified by proper entries in the Articles of Agreement of the ships in which the candidates have served cannot be counted. In all cases, the candidates' names must have been duly entered on the ship's Articles as Engineers in the ranks in which they were actually serving.

**40. Discharges and testimonials** may have to be forwarded to the Shipping Master for verification, and they must be handed in, together with the form of application, not less than one week before the date of the examination which the candidate desires to attend. In the absence of the necessary verification, the candidate cannot be examined.

**41. Where**, as in the case of the service of engineers in foreign ships, the length of service cannot be verified by the Shipping Master the testimonial of service must be confirmed either by the Consul of the country to which the ship in which the candidate served belonged, or by some other recognised official authority of that country, or by some responsible person having personal knowledge of the facts required to be established. Where the testimonial is not confirmed by a Consul or other official authority of the country referred to, it should be endorsed by an Indian or a British Consular official.

**42. Calculation of service.**—The candidate's service, as shown on his discharges will be reckoned by the calendar month, i.e., the time included between any given day in any month and the preceding day of the following month, both inclusive. The number of complete months from the commencement of the period, ascertained in this way, should be computed, after which the number of odd days should be counted. The day on which the agreement commences, as well as that on which it terminates should both be included, and all odd days added together and reckoned at 30 to the month.

**43. Penalty for misconduct.**—Candidates who have neglected to join their ships after having signed Articles, or who have deserted their ships after having joined, or who have been found guilty of gross misconduct, will be required to produce satisfactory proofs of two years subsequent service and good conduct at sea, unless the Government of India after having investigated the matter, should see fit to reduce the time.

**44. Marine Departments of Technical Schools.**—A candidate for a First or Second Class Certificate who, within two years from the date on which he desires to be examined, has attended an approved day course, comprising general mathematical and scientific instruction, at a marine department of a technical school recognised by the Government of India will be allowed to count the time so spent as equivalent to two-thirds of the same period spent at sea under the conditions set out in paragraph 24. Where the course has been taken at evening classes, the total number of hours during which attendance has been made at such classes will be divided by five and the result regarded as days of study.

**45. The maximum remission of sea service in respect of attendance at marine departments of technical schools** will be three months, and, in every case in which an allowance is made for time spent at an approved marine department of a technical school, the candidate will be required to produce the Principal's certificate for regular attendance at all the approved classes for a period of not less than one month, and for satisfactory progress. The candidate will also be required to produce his class notebooks and drawings, and should hand these to the Examiner together with the Principal's certificate at least one week before the date of the examination.

**46.** A list of the Technical Schools, the marine departments of which have been recognised by the Government of India for this purpose, is given in Appendix D

### CHAPTER III

#### EXAMINATIONS

**47. Application for Examination.**—Candidates who have completed the necessary qualifying service and who desire to take the examination for a First or Second Class Certificate of Competency should fill up a form of application (Exn. 3) and pay the appropriate fee (see para. 69), at a Mercantile Marine Office, signing the declaration on the form of application in the presence of the Principal Officer. The form, properly filled in, together with the candidate's certificate of apprenticeship, testimonials, discharges, Certificate of Competency or Service, if any, etc. should be lodged with the Principal Officer at least one week before the day of examination. A candidate may however, if he prefers, submit his application and papers by post to the Principal Officer of the Mercantile Marine Department at the port at which he desires to be examined; he should remit the fee at the same time. If a candidate adopts this course, he will be required to sign his declaration in the presence of the Examiner at the opening of the examination. Candidates will be informed as soon as possible whether their applications have been accepted or not and, if accepted, candidates will be supplied with a copy of the rules to be observed during the examination.

**48. Foreign Engineers.**—Foreign engineers cannot be examined for a First Class Certificate unless they have performed the sea service stated in rule 18, with the requisite Certificate issued by a Commonwealth Country (including India). The service may have been performed in foreign vessels if the applicant can produce satisfactory testimonials as to conduct and character, and is able to prove that the service has been in the required capacities and that during the period of service he has held a Certificate of Competency issued by a Commonwealth Country (including India) of the grade required by the Rules (see Rule 41).

**49. Proof of Nationality.**—Every candidate for a certificate of competency of any grade will be required to produce proof of nationality, and for this purpose should produce a birth certificate or a certificate of naturalisation. Where such a certificate cannot be produced the candidate should furnish such documentary evidence of nationality, or of birth and nationality of parents, as he may be able to obtain. Alien candidates should produce some official document testifying to their nationality.

**50. Gaps in service.**—The Examiner should be particularly careful to ascertain that there are no gaps in the applicant's service during which his conduct is not properly accounted for, before he is allowed up for examination.

**51. Knowledge of English Essential.**—All candidates must prove to the satisfaction of the Examiners that they can speak and write the English language sufficiently well to perform the duties required of them on board a British ship.

**52. Age.**—Should any doubt exist as to the age of a candidate, he will be required to produce a certificate of birth.

**53. Payment of Fee.**—Candidates for examination and persons inquiring as to their eligibility for examination, will be required to pay the examination fee (see para. 69) before any step is taken towards inquiring into their services or testing their qualifications, etc. If any candidate is found not to be qualified, the fee will either be returned to him or placed to his credit until he is qualified.

**54. Penalty for Offering Gratuity.**—If a candidate offers gratuity to any officer of the Mercantile Marine Department, he will not be allowed to be examined for 12 months.\*

\*This penalty is additional to any penalty to which the candidate may be liable under the criminal law.

**55. Examination of Engine Room Artificers.**—Artificer Engineers, Chief Engine Room Artificers, Engine Room Artificers, and Mechanicians in the Royal Navy may be examined for certificates of competency on the same conditions as Engineers in the Mercantile Marine.

**56. Application by Navy Officers.**—Applications from officers of the Royal Navy for certificates of service, or for permission to be examined for certificates of competency, must, in the case of officers on the active list, be made through the Commanding Officer to the Secretary to the Admiralty and, in the case of officers who are on half-pay or who have retired, direct to the Secretary to the Admiralty, who in either case will forward the applications to the Ministry of Transport.

Applications from officers on the active list in the Indian Navy must be made through the Commanding Officers to the Flag Officer Commanding. In the case of the Officers on half pay or officers who have retired, applications must be made direct to the Flag Officer Commanding. The Flag Officer Commanding will forward the applications to the Principal Officer, Mercantile Marine Department, Bombay or Calcutta as the case may be.

**57. Artificer Engineers in the Royal Navy being Warrant Officers** should also make their applications through the Commanding Officer to the Secretary to the Admiralty. Warrant Engineers and Warrant Mechanicians in the I.N. should make their applications through their C.O.S. to F.O.C. who will forward the applications to the P.O., M.M.D., Bombay or Calcutta.

**58. Chief or other Engine Room Artificers and Mechanicians,** who have left the Royal Navy and who desire to be examined for Certificates of competency as Engineers in the Mercantile Marine, should apply to a Mercantile Marine Office. Men who are still serving in these ratings in the Royal Navy should make their applications through their Commanding Officers.

**59. Exemptions.**—The examinations for certificates of competency (First and Second class) are divided into two parts as indicated in paragraphs 61 and 63 and candidates who have attended approved courses of instructions during their apprenticeship and have obtained certificates showing that they have passed the appropriate examination at the termination of the course will be granted exemption from the whole or part of Part A as shown in paragraphs 62 and 64.

**60. Approved Courses.**—The Government of India have approved the courses of instructions leading to:—

- (i) Ordinary National Certificate of Mechanical Engineering of the United Kingdom.
- (ii) Engineering Cadetship Diploma awarded by the Ministry of Education in the United Kingdom;
- (iii) B.M.E. Degree of the College of Engineering and Technology, Bengal
- (iv) B.E. Degree (Mechanical) and B.E. (Electrical) of the Bengal Engineering College, Sibpur (Howrah).
- (v) B. Sc. Degree in Mechanical engineering of the Marischal College, University of Aberdeen.

The Government of India will also recognise university degrees in engineering awarded in England and Wales, Scotland and Northern Ireland, provided that candidates who submit such degree-certificates, produce evidence that the course of study has covered the subjects of the Ministry's examination.

**61. Examination for Second Class Certificate.**—The syllabuses for this examination are given in Appendix A. Sets of specimen examination papers may be

obtained from the Manager of Publications, Delhi. The examination is divided into two parts as follows:-

## PART A

- (i) General Engineering Science (Applied Mechanics) (one paper of three hours).
  - (ii) Heat and Heat Engines (one paper of three hours).
  - (iii) Drawing (one paper of six hours).

## PART B



62. Candidates may be exempted from Part A or some portion of it and may take the examination in separate parts as follows:—

- (a) A candidate who has attended an approved course of instruction (see Rules 59 and 60) covering not less than two of three subjects included in Part A, and has obtained a certificate stating that he passed the appropriate examination at the termination of the course, will be granted exemption from the subjects in Part A covered by the certificate.
  - (b) A candidate may present himself either for the whole of Part A of the examination, or, if exempted under (a) above, from two subjects of the examination, for the remaining subject at any time after he has completed the necessary workshop service.
  - (c) A candidate who has not been exempted under (a) above from Part A or a part of it, and who, when taking Part A of the examination passes in two subjects only, will not be required to take those subjects again and may present himself for re-examination in the remaining subject at any time. If he passes in one subject only, he must sit for the whole Part on re-examination.
  - (d) A candidate may take Part B at any time after he has completed the necessary periods of qualifying workshop and sea service, provided he also takes at the same time the whole of Part A of the Examination or such subjects, if any, in that Part in which he has not already passed or from which he has not been exempted under (a) above.
  - (e) A candidate will not be given a 'Pass' in Part B or in either Section of Part B unless he completes Part A at the same time as Part B or has previously completed it.
  - (f) A candidate who completes, or has completed, Part A and who when taking Part B passes in Section (i) Electrotechnology and Elementary Naval Architecture, but fails in Section (ii) Engineering knowledge and Oral, will be given a pass in Section (i) and may sit for re-examination in Section (ii) at any time.
  - (g) A candidate who completes, or has completed, Part A and who when taking Part B passes in Section (ii) Engineering knowledge and Oral,

\*In the examination for a Combined Steam and Motor Certificate, a third three hours paper in Engineering Knowledge is set.

but fails in Section (i) Electrotechnology and Elementary Naval Architecture, will be given a pass in Section (ii) and may sit for re-examination in section (i) at any time.

63. *Examination for First Class Certificate.*—The syllabuses for this examination are given in Appendix A. Sets of specimen examination papers may be obtained from Manager of Publications, Delhi. The examination is divided into two parts as follows:—

#### PART A

- (i) General Engineering Science (Applied Mechanics) (one paper of three hours).
- (ii) Heat and Heat Engines (one paper of three hours).

#### PART B

- (i) (a) Electrotechnology.  
 (b) Elementary Naval Architecture. } One paper of two and a half hours.
- (ii) (a) Engineering knowledge (two papers each of three hours\*).  
 (b) Oral.

64. Candidates may be exempted from Part A or a part of it and may take the examination in separate parts as follows:—

- (a) A candidate who has been exempted from the Second Class Examination in General Engineering Science or Heat and Heat Engines, or both, will also be exempted from this examination in either or both of these subjects.
- (b) A candidate possessing a Second Class Certificate is allowed to take either the whole of Part A or, if exempted under (a) above from one subject, the remaining subjects at any time.
- (c) A candidate who has not been exempted under (a) above from Part A or part of it and who, when taking Part A, passes in one subject only, will not be required to take that subject again and may sit for the remaining subject at any time.
- (d) A candidate may take Part B at any time provided he holds a Second Class Certificate and has completed the necessary period of qualifying sea service, and provided also that he takes at the same time either the whole of Part A of the Examination or such subject, if any in that Part, in which he has not already passed or from which he has not been exempted under (a) above.
- (e) A candidate will not be given a pass in Part B or in either Section of Part B unless he completes Part A at the same time as Part B or has previously completed it.
- (f) A candidate who completes or has completed Part A and who when taking Part B passes in Section (i) Electrotechnology and Elementary Naval Architecture, but fails in Section (ii) Engineering knowledge and Oral, will be given a pass in Section (i) and may sit for re-examination in Section (ii) at any time.

\*In the examination for a Combined Steam and Motor Certificate, a third three hours paper in Engineering knowledge is set.

- (g) A candidate who completes, or has completed Part A and who, when taking Part B, passes in Section (ii) Engineering knowledge and Oral, but fails in Section (i) Electrotechnology and Elementary Naval Architecture, will be given a pass in Section (ii) and may sit for re-examination in Section (i) at any time.

**65. Examination for Endorsement of Second and First Class Certificates.**—The examination consists of—

- (a) One written paper of three hours in Engineering knowledge.
- (b) Oral.

The syllabuses for these examinations are given in the sections of Appendix A relating to these subjects.

**66. Marks Required for Pass.**—Candidates will be expected to obtain a minimum number of marks in each subject in the written examinations and not less than one-half of the total number of marks to secure a pass.

In the oral examination a somewhat higher standard will be required. The result of the examination will be communicated to the candidate by the Examiner.

**67. Examination for Extra First Class Certificate.**—This examination covers the syllabuses for the First Class and Second Class Examinations and also that given in Appendix H.

Candidates will be permitted either to take the two parts at separate examinations in which case a candidate must first pass in Part A to qualify for entrance to Part B. On the other hand, a candidate who chooses to take the whole examination at one time and passes only in Part B will be eligible to sit for Part A at any future examination and will be exempt from further examination in Part B.

Candidates must obtain a minimum number of marks in each paper and not less than 60 per cent. of the total marks throughout the examination either for the full certificate or for Part A or B if taken separately. No certificate will be issued until the candidate has passed both parts of the examination.

**68. Place and Day of Examination.**—Arrangements have been made for holding the examinations at the ports of Bombay and Calcutta, which will generally commence on the second Monday in each month.

The time-tables of the different examinations are given in Appendix B.

**69. Fees.**—The following fees are payable on each occasion on which a candidate presents himself for an examination either for a Certificate of Competency or for the Endorsement of a Certificate of Competency:—

(A) Second Class Examination (Steam, or Motor, or Combined Steam and Motor).	
(i) The full examination . . . . .	Rs. 20.
(ii) Part (A) or Part (B) or a portion of either Part . . . . .	Rs. 10.
(iii) The endorsement (Steam or Motor) Examination . . . . .	Rs. 10.
(B) First Class Examination (Steam, or Motor, or Combined Steam and Motor).	
(i) The full examination . . . . .	Rs. 40.
(ii) Part (A) or Part (B) or a portion of either Part . . . . .	Rs. 20
(iii) The endorsement (Steam or Motor) examination . . . . .	Rs. 20.

## (C) Extra First Class Examination.

(i) The full examination . . . . .	Rs. 40.
If possessing only a First Class Certificate of service . . . . .	Rs. 80.
(ii) Part A or Part B when taken separately . . . . .	Rs. 20.
If possessing only a First Class Certificate of service . . . . .	Rs. 40.

No part of the fee will be returned to candidates to take the examination or any part of it.

70. *Issue of Certificate.*—When the candidate has successfully completed all parts of his examination, he will receive a form authorising the Principal Officer of the Mercantile Marine Department to whom it is addressed to issue the Certificate. Certificates of Competency, or certificates of service, or Certificates of Competency of Imperial Validity issued under an Order in Council, of a lower grade, will not be returned to successful candidates. Other candidates will receive a record of their examination results on form Exn. 45. This form must be produced to the Examiner when a candidate next presents himself for examination.

71. *Service found to be Insufficient.*—If, after a candidate has passed the examination, it is discovered on further investigation that his services are insufficient to entitle him to receive a Certificate, the Certificate will not be granted until the candidate has performed the amount of service in which he was deficient, and has been re-examined, unless the Government of India see fit to dispense with the re-examination.

72. *Copy of Lost Certificate.*—An applicant for a certified copy of a lost Certificate, must fill in a form of application, Exn. 23, giving the particulars required, and hand it to the Principal Officer who issued the Certificate. A declaration as to the circumstances in which the Certificate was lost must be made by the applicant before the Principal Officer. No fee will be charged if the applicant can prove that the Certificate was lost through shipwreck or fire.

73. *Penalties for Failure in Examinations.*—Failure in subjects, ignorance of which might lead an Engineer to do something actually unsafe in the management of any part of a ship's machinery or to fail to do something essential to safety (*e.g.*, questions on manipulation and reading of the water gauge, the danger of fire and explosion in steam and motor vessels, etc.), will be regarded as failure in practical knowledge, and any candidate so failing will not be allowed to present himself for re-examination until he can produce proofs of further service at sea in a qualifying capacity. The period of the further service which will be required will be assessed in each individual case by the Chief Examiner but will not exceed six months.

74. Should a candidate fail through ignorance of fundamental principles or on account of general defectiveness in the examination, he will not be allowed to present himself for re-examination until a period of time to be fixed by the Chief Examiner has elapsed. Such period will in no case exceed three months but in the case of a subsequent failure on account of general defectiveness the penalty may in exceptional circumstances be increased to a maximum of six months.

75. Ordinarily, a candidate may present himself for re-examination at any time but if he fails three times in Part A, or three times in Part B within any period of three months, he will be debarred from re-examination for a period, depending on the circumstances, of up to three months or exceptionally up to six months.

## APPENDIX A

## SYLLABUSES FOR THE FIRST AND SECOND CLASS EXAMINATIONS

## Fundamental Knowledge Subjects

Candidates for a First Class Certificate are expected to show a knowledge of all the items in the syllabus, including the under-lined items. Candidates for a Second Class Certificate will not be examined on the items underlined.

**NOTES**—(1) The problems may require a knowledge of the centimetre, gramme, second (C.G.S.) system, but will be such as can be solved by the knowledge of elementary algebra, geometry and plain trigonometry.

(2) A knowledge of the use of logarithms will be required.

(3) Formulae involving higher mathematics or constants required for the solution of any problem will be given.

(4) Graphical solutions will be acceptable where the analytical solution is not expressly stated to be required.

(5) Candidates may, if they wish, use slide rules for their calculations, but in each case a full statement of the steps leading to the calculations must be shown.

## General Engineering Science.

(One paper of 3 hours, Six questions only out of nine to be attempted.)

Mass, volume, relative density (specific gravity). Areas and solids, application of Simpson's Rule to areas, volumes and centroids.

Displacement, linear and angular velocity. Uniform linear and angular acceleration. Relative velocity. Vectors. Inertia, Newton's laws of motion, Momentum. Triangle, Parallelogram and polygon of velocities or forces. Forces, moments and couples. Impulsive force. Centre of gravity. Conditions of equilibrium.

Work, power and energy. Solid friction. Inclined plane. Simple machines, velocity ratio, mechanical advantage and efficiency. Rapson's slide.

Rotational Inertia. Moments of Inertia. Kinetic energy of rotating bodies, Governors. Centrifugal force, its incidence in machine parts, including the rims of flywheels.

Transmission of power by gearing.

Simple harmonic motion.

Elementary hydrostatics and hydraulics. Principle of Archimedes. Basic ideas of fluid pressure and fluid friction. Flow through pipes and orifices.

Stress, strain and elasticity. Hooke's Law. Moduli of elasticity. Simple tension, compression and shear.

Strain energy. Stresses due to sudden loading. Bending moment and shearing force diagrams for cantilevers and simply supported beams with concentrated uniform, distributed or combined loading. Strength of beams. Torsion. Strength and stiffness of round shafts and power transmitted. Helical springs (close coiled). Combined direct and bending stress. Thin cylindrical and spherical shells. Strength of single, double and treble riveted lap and butt joints, or welded joints.

Stresses and strains in single or compound members due to change of temperature.

### Heat and Heat Engines

(One paper of three hours. Six questions only out of nine to be attempted.)

Temperature scales and their conversion. Linear and volumetric expansion or contraction due to change of temperature. Co-efficient of expansion. Specific heat. Water equivalent. Resulting temperature of mixtures at different temperatures. Conduction, Convection and radiation of heat. Boyle's Law and Charles' Law and their combination. Relations between specific heat at constant pressure and constant volume. Adiabatic expansion and compression  $pV=a$  constant. Relation between pressure, volume and temperature. Change of state. Sensible heat, latent heat and superheat.

Energy, methods of measurement of energy and work. Mechanical equivalent of heat. Fuels and the generation of heat by combustion. Calorific value of fuels. Air required for combustion. Generation of steam. Dryness fraction of steam. Condensers and vacuum, advantage of using steam expansively.

Carnot cycle. Elementary principles and cycles of operation of steam and internal combustion engines and air compressors.

Calculation of work done with hypothetical pressure-volume diagrams, with constant steam pressure and with expansion according to the law  $pV=a$  constant.

Mean referred pressure. Cylinder volume ratios. Heat balances with reference to engine and boiler trials. Results to be expected from the application of high pressure steam, of compounding, super-heating and steam-jacketing.

Elementary dynamics of the reciprocating steam and internal combustion engine. Valve diagrams for steam engines. Cam diagrams for internal combustion engines.

Crank-effort diagrams and flywheels. Elementary principles of the steam turbine. Efficiency of refrigerating machinery and co-efficient of performance.

Bolters and evaporators.

Thermal, mechanical and overall efficiencies.

### DRAWING

This subject is to be taken by candidates for Second Class Certificates only.

(One paper of six hours. A choice of two drawings will be given.)

The Drawing Paper will consist of a test of the ability to apply the principles of projection and candidates will be asked to draw a plan, elevation or section or a combination of these views of a piece of marine machinery from information supplied. All the required information for the completion of the drawing will be given in the question paper.

### PRACTICAL KNOWLEDGE SUBJECTS

Electrotechnology and Elementary Naval Architecture

(One paper of 2½ hours in two sub-sections, one for each subject. Candidates will be expected to attempt two questions only out of three in each sub-section.)

#### Electrotechnology

The effects of an electric current—chemical, magnetic and heating. Primary cells and accumulators. Electrolysis. Simple magnetic and electromagnetic phenomena.

Application of electromagnetic induction phenomena to the generator.

Practical electrical units (limited to D. C. practice in the Second Class examination.) Ohm's Law. Laws of resistance. Effects of temperature on resistance. Grouping of resistances. Mechanical and heat equivalents. Modes of current distribution for lighting and power purposes.

A. C. frequency. Virtual or R. M. S. values of current and E. M. F. Peak values.  
Power and Power Factor. Single and threephase supply. Simple problems relating to electrical input, mechanical output and efficiency of motors on D.C. and A.C. systems.

### Elementary Naval Architecture

Displacement, wetted surface, block and prismatic co-efficients of fineness of displacement, co-efficients of fineness of waterplane. Tons per inch immersion. Alteration in draught owing to change in density of the water. Shift of Centre of Gravity by adding, removing, shifting or consuming fuel, ballast or cargo. Buoyancy, and effect of flooding a compartment. Total pressure on immersed surfaces. Centre of pressure. Comparison of skin resistance of hull with model at different speeds. Relation between speed of vessel and fuel consumption. Action of propeller, wake, slip, thrust and power. Admiralty and fuel co-efficients. Simple problems on strength of structural members to resist liquid pressure. Stability at small angles of heel. Moment of change of trim.

### ENGINEERING KNOWLEDGE

Candidates for a combined Steam and Motor Certificate must be prepared to be examined in all the items (a) to (z), but those for a Steam Certificate or the Steam Endorsement of a Motor Certificate will not be examined in items (t) to (z) and those for a Motor Certificate or the Motor Endorsement of a Steam Certificate will not be examined in items (m) to (s). In addition, candidates for First Class Certificates or First Class Endorsements, who will be expected to display a fuller knowledge of the different items in the Syllabus than candidates for a Second Class Certificate or Second Class Endorsement, must be prepared to be examined in items (aa) to (ee).

#### Notes.

1. The Engineering knowledge to be shown by candidates is that which is required for the use, operation and maintenance of the machinery, equipment and ship structure usually in the charge of the Engineer. A knowledge of the methods of manufacture of the various components is also required.
2. Candidates for Certificates and Endorsements are required to take a written examination followed by an oral examination.
3. The written examination for a Steam or Motor Certificate consists of two papers of three hours each—six questions only to be attempted out of nine in each paper.
4. The written examinations for a combined steam and Motor Certificate consists of three papers of three hours each—six questions only to be attempted out of nine in each paper.
5. The written examination for Steam or Motor Endorsement consists of one paper of three hours—six questions only to be attempted out of nine in the paper.
6. Where questions relating to main electric propelling plant are asked in the examination for a First Class Certificate or Endorsement, the nine questions set will be increased by the number of questions set on main electric propelling plant.
7. Candidates may be required to illustrate their answers by means of freehand sketches.

(a) The general effects of the various treatments on the physical properties of materials commonly used in the construction of marine engines and boilers, and the mechanical tests to which those materials are normally subjected.

(b) Heat and combustion. The properties of steam, fuel, lubricants and other liquids, gases and vapours used in machinery on board ship.

(c) The use, constructional details and principles involved in the action of the pressure gauge, voltmeter, ammeter, thermometer, pyrometer, barometer, salinometer, hydrometer and other meters commonly used by engineers on board ship.

(d) The causes, effects and usual remedies for incrustation and corrosion. Feed water and blow densities, and scale formation.

(e) (1) Constructional details and working principles of marine engines; methods of determining their B.H.P. The principle of working and methods of calibration of dynamometers and torsion meters.

(2) The methods of dealing with wear and tear of machinery and boilers. The alignment of machinery parts. The correction of defects due to flaws in material or accident. Temporary or permanent repairs in the event of derangement or total breakdown.

(f) Constructional details and principles of action of centrifugal, bucket and force pumps. The general requirements concerning feed, fuel, bilge and ballast pumping systems.

(g) The constructional arrangement, details and working of steering-engines and gears, refrigerating machinery, hydraulic machinery, and such steam and internal combustion engines as are used for emergency and auxiliary machinery on board ship.

(h) (1) The lay-out and working of electric light and power circuits; single-wire, two-wire, three-wire and ring main systems. The purpose of the balancer. Use of the megger.

(2) General principles and functions of essential instruments. General construction and operation of switch gear and safety devices employed in the electrical equipment. Ignition-battery and coil and H.T. magneto. The care and maintenance of accumulators.

(3) Constructional arrangement, operation and maintenance of electric steering gears.

(4) At the candidate's option either—

(a) Constructional arrangement, operation, maintenance and general characteristic performance of A.C. Generators and motors commonly installed on board ship. The synchronising and parallel running of alternators; or

(b) Constructional arrangement, operation, maintenance and general characteristic performance of D.C. generators and motors commonly installed on board ship. Parallel running of shunt and compound dynamos.

(i) Application of the indicator. Calculation of mean pressure and horse-power. Fluctuation of pressure in the cylinder as shown by indicator diagrams.

(j) (1) Precautions against fire or explosions due to oil or gas. Flash point. Explosive properties of gas or vapour given off by fuel or lubricating oils when mixed with a quantity of air. The danger of leakage from oil tanks, pipes, gas producers, and vaporisers, particularly in bilges and other unventilated spaces. The action of wire gauze diaphragms and the places in which such devices should be fitted.

(2) Spontaneous combustion of coal. Explosive properties of gas given off by coal. Ventilation and storage of coal.

(3) Fire detection. Methods of dealing with fire. Action and maintenance of mechanical and chemical fire extinguishers and other fire-fighting appliances, respirators and safety lamps.

(k) The usual structure of an ordinary steel ship. The preservation in good condition of bilges, bunkers, tanks under boilers, and water-tight doors.

(l) The common terms used in the measurement of steel ships, for example, length between perpendiculars, breadth overall, moulded depth, draught and free-board.

(m) The methods of constructing marine steam engines and boilers, the processes to which the several parts are submitted, or which are incidental to their manufacture, and the methods employed in fitting the machinery on board ship.

(n) The various types of propelling and auxiliary steam engines now in use, the functions of each important part and the attention required by the different parts of the machinery on board ship.

(o) The methods of testing and altering the setting of the steam admission and exhaust valves, and the effect produced in the working of the engines by definite alterations in the settings of the valves.

(p) The constructional details and working of evaporators, feed water heaters and feed water filters.

(q) Marine boilers of various modern designs; the manner of staying them, and also the prevention of movement of boilers when vessels are pitching or rolling. The determination by calculation of suitable working pressures for boilers of given dimensions.

(r) The use and management of boiler fittings and mountings, with special reference to water gauges and safety valves. Precautions necessary when raising steam and operating stop valves, with particular reference to the danger arising from water hammer action.

(s) Constructional details, operation and maintenance of installations generally employed for assisting draught superheating steam and burning coal or oil fuel.

(t) The principles underlying the working of internal combustion engines. The differences between various types of engines. Constructional details of internal combustion engines in general use.

(u) The nature and properties of the fuel and lubricating oils generally used in internal combustion engines. The supply of air and fuels to cylinders of engines of different types. The constructional details of apparatus for carburetting or atomising the fuel. The means of cooling the cylinders and pistons. Constructional details and working of air compressors.

(v) The methods of constructing marine internal combustion engines. The processes to which the several parts are submitted or which are incidental to their manufacture, and the methods employed in fitting the machinery on board ship.

(w) Starting and reversing arrangements and the various operations connected therewith.

(x) The attention required for the operation and maintenance of the various parts of machinery. The use and management of valves, pipes, connections and safety devices employed.

(y) Enumeration and description of defects arising from working of machinery  
The remedy for such defects.

(z) Constructional details and management of auxiliary steam boilers, their fittings and mountings. Constructional details and management of auxiliary machinery.

*Candidates for First Class Certificates and Endorsements only*

(aa) The maintenance and working condition of machinery and appliances placed in the charge of a Senior Engineer. The attention required to prevent breakdowns and defect. The usual repairs and renewals required; supervision and inspection of machinery and boilers on board ship. Preparation of boilers and machinery for survey.

(bb) Section (h) (4) both sub-sections and also the general lay-out and operation of electric main propelling plant, the sequence of operations for starting, stopping, reversing and changing speed.

(cc) The practical requirements to ensure ship's stability at sea. Management of feed, fuel, ballast and bilge tanks. Filling and emptying tanks at sea. The effect of free liquid surfaces in tanks. Bilged compartments.

(dd) The recognition of irregularity in the running of engines from indicator diagrams. The rectification of these irregularities. Illustration by means of sketches of the change produced in the diagram due to an alteration in the setting or working of the valves or any other factors.

*Candidates for First Class Steam and Combined Steam and Motor Certificates and First Class Endorsements only*

(ee) The principles and practice of surface condensation, super-heating and the working of steam expansively. The economic and efficient use of coal and oil fuel.

*Oral Examination*

The oral Examination will be largely based upon the practical knowledge subjects of the Examination and will include questions on the management of engines and boilers at sea, the duties of the supervising engineer, the work to be done to engines, boilers and auxiliary machinery in port and the periodical examination of the working parts.

Candidates should also be well acquainted with machinery and boiler casualties which may occur at sea and be able to state how these may be prevented and remedied.

**APPENDIX B**

**TIME-TABLES OF EXAMINATIONS**

*(Second Class and First Class)*

Day	Part of Examination	Morning session	Afternoon session
First day .	B	Engineering Knowledge. One Paper 10 A.M. to 1 P.M.  NOTE.—Candidates for Endorsement do not take this paper.	Engineering Knowledge. One Paper 2 P.M. to 5 P.M.  NOTE.—Separate papers are set for Steam and Motor candidates.

Day	Part of Examination	Morning session	Afternoon session
Second day	A	General Engineering Science. One paper 10 A.M. to 1 P.M.	Heat and Heat Engines. One paper 2 P.M. to 5 P.M.
Third day	B	(i) Electrotechnology. (ii) Elementary Naval Architecture. One paper. 10 A.M. to 12-30 P.M.	Engineering Knowledge. One paper 2 P.M. to 5 P.M. NOTE.—To be taken by candidates for Combined Steam and Motor Certificates only.
Fourth day	A	Engineering Drawing (for Second Class only). 10 A.M. to 4-30 P.M. NOTE.—An interval of $\frac{1}{2}$ hour may be allowed.	
	B	The Oral Examination will be taken on completion of the written papers.	

#### EXTRA FIRST CLASS

Tuesday	A	Engineering Knowledge. One paper 10 A.M. to 1 P.M.	Engineering Science. (Mechanics and Hydraulics). One paper 2 P.M. to 5 P.M.
Wednesday	A	Heat and Heat Engines. One paper 10 A.M. to 1 P.M.	
	B		Essay. One paper 2 P.M. to 5 P.M.
Thursday	B	Machine Design. (Drawing). One paper 10 A.M. to 4 P.M.	
Friday	B	Electrotechnology. One paper 10 A.M. to 12-30 P.M.	Naval Architecture. One paper 2 P.M. to 4-30 P.M.

#### APPENDIX C

##### SPECIMEN FORM OF TESTIMONIAL

Name and address of Shipowner or Company.

I certify that the following is a full and true statement of the sea service performed by Mr.....under my supervision on board the\* O. No.....

Period of service Dates	Rank of Officer and actual seniority on watch	Type of main engines and boilers. Single or twin screw	Nature of duties for appropriate description see below
From	To		

\*Steam or motor ship. Name of ship and official number.

Report as to ability.....

Report as to conduct.....

Report as to sobriety.....

Signature of Chief Engineer

Remarks (if any)

Signature of { Engineer Superintendent  
or  
Master or other representative of Owner.....

*Description of duties*

I. On fitter's work either by day or regular watch.—

- (a) Within main engine and boiler spaces.
- (b) Outside main engine and boiler spaces.

II. (a) On refrigerating or other machinery not essential to the propulsion of the vessel.

(b) On auxiliary engines separated from main propelling units but worked in conjunction therewith.

III. On regular watch on Main Engines as—

- (a) First Engine Room Assistant under the Senior in full charge.
- (b) Second Engine Room Assistant.
- (c) Junior Engine Room Assistant.

IV. On regular watch on Main Boilers.—

- (a) In charge of all stokeholds.
- (b) In charge of a section or one stokehold only.
- (c) As Boiler Room Assistant.

V. On regular watch on Main Engines and Boilers simultaneously—

- (a) In full charge of the entire watch.
- (b) As First Assistant to the Senior in full charge.
- (c) As Junior Assistant.

NOTE.—It is recommended that this form should be used when the Engineer reported on, or when the Chief Engineer, leaves a ship.

**APPENDIX D**

**TECHNICAL SCHOOLS RECOGNISED BY THE GOVERNMENT OF INDIA.**

The following is a list of Technical Schools attendance at which is recognised by the Government as affording remission of some period of the service required to qualify a candidate for examination for a certificate of competency as Engineer.

**(I) Day Classes**

When nothing is stated to the contrary, time spent in attending the day classes in Mechanical Engineering of a recognised Technical School is accepted as equivalent to workshop service in the ratio of three years of the former to two of the

, 5 , 10 - 14 3

latter, provided the applicant was over 15 years of age and can produce the Principal's certificate for continuous and regular attendance at all the approved classes and for satisfactory progress. Such time cannot be accepted as equivalent to more than two years' workshop service.

*Name of School or Institution*

*Aberdeen*.—Marischal College, University of Aberdeen.

*Aberdeen*.—Robert Gordon's College, Aberdeen.

*Acton*.—Technical College, Acton.

**\*\*Adelaide**.—School of Mines, Adelaide.

**\*\*Adelaide**.—University of Adelaide.

**\*\*Auckland, N. Z.**.—University College, Auckland.

**\*\*Ballarat**.—School of Mines, Ballarat.

*Belfast*.—College of Technology, Belfast.

*\*Benares*.—Hindu University, Benares, India.

**\*\*\*Bengal**.—College of Engineering and Technology, Bengal, India.

*\*Birmingham*.—University of Birmingham.

**†Birmingham**.—City of Birmingham Municipal Technical College, Suffolk Street, Birmingham. (Two years' full time course and after noon classes.)

*Blackburn*.—Municipal Technical College, Blackburn.

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\*Time spent by students of the Electrical Engineering Department on work similar to that in the Mechanical Engineering Department to count as equivalent.

\*\* Time spent at classes in mechanical or electrical engineering will be accepted at half value up to a maximum of eighteen months.

\*\*\*Half time spent in the Degree and or Diploma Courses of Mechanical Engineering to count upto a maximum of two years.

†Time spent at afternoon classes to count as equivalent to two-thirds of the same period of workshop service, five hours in the classes being reckoned as equivalent to one day.

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*†Bombay*.—Victoria Jubilee Technical Institute, Bombay.

*Bradford*.—Municipal Technical College, Bradford.

*Brighton*.—Municipal Technical College, Brighton.

**\*\*Brisbane**.—Technical College, Brisbane.

*Bristol*.—Merchant Venturers Technical College, Bristol.

*Bristol*.—University of Bristol.

*Cambridge*.—University of Cambridge.

*Cardiff*.—The Technical College, Cardiff.

*Cardiff*.—University College of South Wales and Monmouthshire, Cardiff.

**††\*\*Christchurch, N.Z.**.—Canterbury College, Christchurch.

*Cork*.—Crawford Municipal Technical Institute, Cork.

*Dagenham*.—South East Essex Technical College.

**¶Dartmouth**.—Royal Naval College, Dartmouth.

**§Devonport**.—Royal Naval Engineering College, Devonport.

*Dublin*.—University College, Dublin.

*Edinburgh*.—Heriot-Watt College, Edinburgh.

*||Glasgow.*—Royal Technical College, Glasgow.

*||Glasgow.*—James Watt Engineering Laboratories, Glasgow University.

\*Time spent at classes in mechanical or electrical engineering will be accepted at half value upto a maximum of eighteen months.

†Time spent at afternoon classes to count as equivalent to two-thirds of the same period of workshop service, five hours in the classes being reckoned as equivalent to one day.

‡Half-time will be accepted for either the mechanical or the electrical engineering courses with a maximum of two years.

§Time to count in full upto three years.

¶||A complete session to count as six months.

\**Guindy.*—College of Engineering, Guindy, Madras.

†*Hobart.*—University of Hobart.

*Huddersfield.*—Huddersfield Technical College, Huddersfield.

*Hull.*—Municipal Technical College, Hull.

‡*India.*—Indian Mercantile Marine Training Ship “Dufferin.”

*Insein.*—Government Technical Institute, Insein.

†*Karachi.*—Nadirshaw Edulji Dinshaw Civil Engineering College, Karachi.

\**Lahore.*—MacLagan Engineering College, Lahore.

*Leeds.*—The University of Leeds.

*Liverpool.*—The Faculty of Engineering, the University of Liverpool.

*London.*—Battersea Polytechnic, London, S.W. 11.

‡‡*London.*—Faraday House Electrical Engineering College, Farady House, Southampton Row, London, W.C. 2.

*London.*—Imperial College of Science and Technology [City and Guilds (Engineering) College], London, S.W. 7.

§*London.*—King's College, Strand, London, W.C. 2.

*London.*—London County Council School of Engineering and Navigation, Poplar, E.14.

||*London.*—Northampton Polytechnic Institute, Clerkenwell, London, E.C. 1.

*London.*—Polytechnic School of Engineering, Regent Street, London, W. 1.

*London.*—Queen Mary College (University of London), Mile End Road, London E.1.

¶*London.*—St. Olave's Grammar School, London, S.E. 1.

*London.*—University College, Gower Street, London, W.C. 1.

*London.*—Woolwich Polytechnic, S.E. 18.

*Loughborough.*—Loughborough College, Leicestershire.

*Manchester.*—Manchester Municipal College of Technology, Manchester.

*Manchester.*—University of Manchester.

¶¶*Melbourne.*—Footscray Technical College, Melbourne.

¶¶*Melbourne.*—Swinbourne Technical College, Melbourne.

|||*Melbourne.*—Technical College (Working Men's), Melbourne.

|||*Melbourne.*—University of Melbourne.

\*\*\**Natal.*—Natal University College (Howard College), Durban.

*Newcastle-on-Tyne.*— Armstrong College, Newcastle-on-Tyne.

**\*\*Newcastle-on-Tyne.**—Rutherford Technical College, Newcastle-on-Tyne.

**¶¶Newcastle, New South Wales.**—Technical School, Newcastle.

**§§Osborne.**—Royal Naval College, Osborne.

**¶Oundle.**—Engineering Department of Oundle School, Northants.

**Paisley.**—Technical College and School of Art, Paisley.

**Perth, Western Australia.**—University of Western Australia, Perth.

**††Poona.**—College of Engineering, Poona, Bombay.

**Portsmouth.**—Portsmouth Municipal College, Portsmouth.

\*Time spent by students of the Electrical Engineering Department, on work similar to that in the mechanical Engineering Department, to count as equivalent.

†Time spent at classes in mechanical or electrical engineering will be accepted at half value up to a maximum of eighteen months.

‡One third, only, of the time to be counted, with maximum allowance of one year.

§Two-thirds of time to count, with a maximum of two years for three-years students, and two years and eight months for four-years students who have spent three summer sessions in the works of a maker of steam engines, for which no separate allowance is claimed.

||Two-thirds to count, with maximum of two years eight months.

¶One-third of time to count, with maximum of one year.

\*\*A complete session to count as four months.

††Half time to count with a maximum of 18 months.

‡‡Half, only, of the time to be counted.

|||One-third, only, of the time to be counted.

|||Time spent at classes in electrical engineering will be accepted at half value up to a maximum of eighteen months.

¶¶Half time to count with a maximum of two years.

\*\*\*Two-thirds time will be accepted for either the mechanical or electrical engineering courses with a maximum of two years.

**\*Preston.**—Harris Institute, Preston.

**‡Queensland.**—Technical School, Ipswich, Queensland.

**†Queensland.**—University of Queensland, Queensland.

**Salford.**—Royal Technical Institute, Salford.

**Sheffield.**—University of Sheffield.

**§Sibpur.**—Bengal Engineering College, Sibpur.

**Southampton.**—University College, Southampton.

**Sunderland.**—Sunderland Technical College, Sunderland.

**\*\*Surat.**—Surat Parsi Technical and Industrial Institute, Surat.

**\*\*Surat.**—F.S. Parekh Technical Institute, Surat.

**Swansea.**—Swansea Technical College, Swansea.

**†Sydney.**—University of Sydney.

**†Sydney.**—Technical College, Sydney.

**\*\*Tonbridge.**—Engineering Department of Tonbridge School.

**West Ham.**—West Ham Municipal College, West Ham.

**§Wigan.**—Wigan and District Mining and Technical College, Wigan.

**§Wolverhampton.**—Wolverhampton and Staffordshire Technical College.

## (II) EVENING CLASSES

Time spent in attending Evening Classes in Engineering at recognized Technical Schools is accepted as equivalent to workshop service, five hours in the classes being reckoned as equivalent to one day, and two-thirds of the number of days so obtained counting as workshop service, subject to the provisions laid down in paragraph 14

*Name of School or Institution*

*Aberdeen*.—Robert Gordon's College, Aberdeen.

*Acton*.— Technical College, Acton.

*Barrow-in-furness*.— Municipal Technical College, Barrow-in-furness.

*Belfast*.— College of Technology, Belfast.

*Birkenhead*.— Technical College, Birkenhead.

*Birmingham*.— City of Birmingham Municipal Technical School, Suffolk Street, Birmingham.

*Blackburn*.— Municipal Technical College, Blackburn.

*Bootle*.— Municipal Technical College, Bootle.

*Brighton*.— Municipal Technical College, Brighton.

*Bristol*.— Merchant Venturers Technical College, Bristol.

*Cardiff*.— City of Cardiff Technical Schools.

\*Two-thirds of time to count with a maximum of two years.

†Time spent at classes in electrical engineering will be accepted at half value up to a maximum of eighteen months.

‡Half time to count with a maximum of two years.

§Two-thirds time will be accepted for either the mechanical or electrical engineering courses with a maximum of two years.

||Afternoon classes also count in the same proportion.

¶Time spent by students of the Electrical Engineering Department on work similar to that in the Mechanical Engineering Department to count as equivalent.

\*\*One-third time to count with a maximum of one year.

*Coatbridge*.— Technical College, Coatbridge.

*Dagenham*.— South East Essex Technical College.

*Darlington*.— Technical College, Darlington.

*Derby*.— Technical College, Derby.

*Dublin*.— Bolton Street Technical Institute.

*Dudley*.— Dudley and Staffordshire Technical College, Dudley.

*Dundee*.— Dundee Technical College, Dundee.

*Edinburgh*.— Heriot-Watt College, Edinburgh.

*Gateshead*.— Senior Technical and Commercial Institute, Gateshead.

*Glasgow*.— Royal Technical College, Glasgow.

**††Goole.**— Goole Technical Institute, Goole.

**Greenock.**— Greenock Technical School, Greenock (known as Watt Memorial School).

**Huddersfield.**— Huddersfield Technical College, Huddersfield.

**Hull.**— Municipal Technical College, Hull.

**Leeds.**— College of Technology, Leeds.

**Liverpool.**— The City of Liverpool Technical College, Liverpool.

**London.**— Battersea Polytechnic, London, S.W. 11.

**London.**— Borough Polytechnic Institute, 103, Borough Road, London, S.E. 1.

**London.**— Enfield Technical College.

**London.**— London County Council School of Engineering and Navigation, Poplar, E.14.

**London.**— Northampton Polytechnic Institute, Clerkenwell, E.C.1.

**London.**— The Polytechnic School of Engineering, Regent Street, London, W.1.

**London.**— Willesdon Technical College, London.

**London.**— Woolwich Polytechnic, S.E. 18;

    Hackney Technical Institute, E. 8;

    Paddington Technical Institute, W. 9;

    South-East London Technical Institute, S. E. 4;

    Wandsworth Technical Institute, S.W. 18.

**Londonderry.**— Municipal Technical College, Londonderry.

**Loughborough.**— Loughborough College, Leicestershire.

**Manchester.**— The Manchester Municipal School of Technology, Manchester.

**Newcastle-on-Tyne.**— King's College, Newcastle-on-Tyne.

**Newcastle-on-Tyne.**— Rutherford Technical College, Newcastle-on-Tyne.

**Newport, Mon.**— Technical College and Institute.

**Paisley.**— Technical College and School of Art, Paisley.

**Preston.**— Harris Institute, Preston.

**Salford.**— Salford Royal Technical Institute, Salford.

**Sheffield.**— Department of Applied Science, University of Sheffield, St. George's Square, Sheffield.

**Southampton.**— University College, Southampton.

**South Shields.**— The Marine School, South Shields.

**Swansea.**— Swansea Technical College, Swansea.

**West Hartlepool.**— West Hartlepool Technical College.

**Wigan.**— Wigan and District Mining and Technical College.

**Wolverhampton.**— Wolverhampton and Staffordshire Technical College.

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††Time spent in attending the First Year Senior Evening Course in Mechanical Engineering will be accepted as equivalent to workshop service only when the remaining two years of the course for the ordinary national certificate have been completed at the Municipal Technical College, Hull, or at one of the other institutions mentioned in (II).

## (III) MARINE DEPARTMENTS OF TECHNICAL SCHOOLS

When nothing is stated to the contrary, time spent in the Marine Department of a Technical School recognised as suitable for the training of Marine Engineers will, subject to the provisions laid down in paragraph 44 and 45 be allowed to count as sea service in the ratio of three months at the Technical School to two months at sea, time so spent not to be accepted as equivalent to more than three months' sea service.

*Name of School or Institution*

*Aberdeen*.—Robert Gordon's Technical College, Aberdeen.

*Bombay*.—The Nautical and Engineering College, Bombay.

*Cardiff*.—The Technical College, Cardiff.

*Dundee*.—Dundee Technical College and School of Art.

*Glasgow*.—Stow College, School of Engineering, Glasgow.

*Greenock*.—Watt Memorial School, Greenock.

*Hull*.—Municipal Technical College, Hull.

*Leith*.—Leith Nautical College, Leith.

*Liverpool*.—The City of Liverpool Technical College, Byrom Street, Liverpool

*London*.—London County Council School of Engineering and Navigation  
Poplar, E.14.

*Southampton*.—University College.

*South Shields*.—The Marine School, South Shields.

## APPENDIX E

*List of Dominion and Colonial Certificates as Engineer recognised by Order in Council which are of the same force as those granted by the Ministry of Transport (U.K.)*

**NOTE.**—With the exception of those made after 1906, all of the Orders in Council enumerated below were consolidated and superseded by an Order in Council, dated 9th May 1891, which was subsequently amended by an Order in Council of 22nd October, 1906, and by the Order of the 11th October, 1923, relating to Australia, remains in force.

Dominion or Colony	Certificates		Date of original order in Council	Date from which Order in Council takes effect
	By whom granted	Description*		
Victoria	†Marine Board	1st Class Engineer; 2nd Class Engineer.	30 March 1871	4 Jan. 1870
Canada	The Minister of Marine & Fisheries.	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	10 Nov. 1886	1 Jan. 1887
New Zealand	Marine Department.	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer;	9 Aug. 1872	1 May 1872
†New South Wales	§Department of Navigation	1st Class Engineer; 2nd Class Engineer.	30 Aug. 1873	18 June 1872

Dominion or Colony	Certificates		Date of original Order in Council	Date from which Order in Council takes effect
	By whom granted	Description*		
#South Australia	Marine Board	1st Class Engineer; 2nd Class Engineer.	} 12 May 1874	12 May 1874
#Tasmania	The Governor	1st Class Engineer; 2nd Class Engineer.	} 12 Feb. 1876	1 April 1876
Bengal	Dept. of Commerce, Govt. of India.	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	} 27 June 1876	27 June 1876
Newfoundland	Governor	1st Class Engineer; 2nd Class Engineer.	} 19 July 1910	19 July 1910
Bombay	Dept. of Commerce, Govt. of India.	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	} 11 July 1877	11 July 1877
India	Dept. of Commerce, Govt. of India	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	} 17 Dec. 1931	1 April 1929
#Queensland	Marine Board	1st Class Engineer; 2nd Class Engineer.	} 20 March 1878.	1 Oct. 1877
Hongkong	Governor	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	} 31 Dec. 1883	1 Jan. 1884
Straits Settlements	Governor	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	} 1 May 1890	1 <sup>st</sup> Aug. 1888
Commonwealth of Australia.	Secretary, Dept. of Commerce, Marine Branch, Melbourne.	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer	} 11 Oct. 1923	1 Oct. 1923
Union of South Africa.	Dept. of Customs.	1st Class Engineer; 2nd Class Engineer; 1st Class Motor Engineer; 2nd Class Motor Engineer.	} 11 Aug. 1931	1 July 1928

\*The Engineers' Certificates recognised by Order in Council as having Imperial Validity do not include any Motor Certificates, or Motor Endorsements except where stated.

†The Steam Navigation Board was superseded by the Marine Board on the 21st December 1888. See Order in Council of 23rd November, 1893.

‡The issue of Certificates of Imperial Validity by the Government of the separate States of Commonwealth of Australia ceased on the 1st October, 1923, the date on which the issue of such certificates was undertaken by the Commonwealth Government.

§The Marine Board was superseded by the Department of Navigation on the 17th March 1900.

||The issue of Certificates of Imperial Validity by the Provincial Governments of Bengal and Bombay ceased on the 1st April 1929, the date on which the issue of such certificates was taken over by the Government of India.

## APPENDIX F

*Reading the Water-gauge.*

Notwithstanding that the reading of the water-gauge is made a special feature in the examination of Engineers, many boiler casualties result from the Engineer of the watch either not understanding the construction of the water-gauge fittings or not satisfying himself by actual trial that the cock, pipes, etc., are clear.

Unless a candidate under examination is able to prove that he understands how to verify the indications of the water-gauge, he will not be passed in practical knowledge. Failure in practical knowledge involves a candidate going to sea for further experience before re-examination.

The sketches, Figures 1, 2, 3, 4 and 5, Plate I, represent the usual methods of attaching water-gauge mountings to marine-boilers, the smoke-boxes being omitted, for convenience, from Figures, 3, 4 and 5. The important features in each gauge and the method of verifying its indications are dealt with separately in the following notes.

*Referring to Figure 1 only*

In this case the water-gauge cocks are attached direct to the boiler, and the accuracy of the gauge when the boiler is under steam can be tested as follows :—

**First.**—Let B remain open, then close cock D and open cock E, and if steam issues it proves that cock B and the passage through the top fitting and gauge glass are clear. If no steam or water issues, either cock B or the passage through the top fitting and gauge glass is choked, and the gauge cannot act properly until the obstruction is removed.

**Second.**—Close cock B and open D and E, and if water issues, cock D is clear. If no water or steam issues, either cock D or the passage from the boiler through the lower fitting is choked and must be cleared before the gauge can act properly.

*Referring to figure 2 only*

In this case the gauge cocks are attached to a bent pipe of comparatively large diameter (at least 3 inches in the bore), the upper end of which communicates with the steam space, and the lower end with the water space of the boiler. Owing to the bore of the pipe being large, it is not likely to become choked or stopped under the ordinary conditions of working. The water-gauge is, therefore, in practically the same condition as if it were attached direct to the boiler, as in Figure 1. This gauge, when at work, is tested in precisely the same manner as the one shown in Figure 1.

Screw plugs are inserted at P.P. and Q.Q., by the removal of which the apertures in the pipes can be cleared, if necessary, by the insertion of a wire or rod when steam is down.

*Referring to Figure 3 only*

In this gauge there is an open communication from A to C through the column Y, and in order to "blow through the glass" it is only necessary to shut cocks D and B alternately, keeping E open. But to "blow through the water-gauge", including the pipes H and I, it is necessary, after blowing through the glass as described above to shut A and C alternately at the same time keeping B, D and E open for such time as will ensure the complete discharge of the contents of the gauge and its connections. When B, D and C are clear and A choked the steam lodging in the glass and in the pipe I leading from column Y to A becomes condensed and the

water flowing through C to take its place rises in column Y and in the glass to a level above that of the water in the boiler. In other words the gauge shows a false level. If now E be opened and water is blown out, then on E being again closed the water in the gauge will rise higher than before and be still further misleading. On the other hand, when B, D and A are clear and C choked, the water, if any, in the glass is trapped and no longer rises and falls with the water in the boiler or with the motion of the vessel; it however, slowly rises in the glass owing to the condensation of the steam in the upper part of the gauge until such time as E is opened, when the whole of the water in the glass is blown out; and on E being closed, the glass does not show any water, notwithstanding that the water in the boiler may be at the proper level. When the test cocks T.T.T. are attached to column Y, as shown in Figure 3, they cease to be reliable when either cock A or C or the pipe in connection therewith is choked, or nearly choked; hence it is desirable that such test cocks should be fitted direct to the boiler and not to the column as shown.

*Referring to Figure 4 only*

Sometimes the water-gauge fittings are arranged as shown in Figures 4 and 5, with no passage up the column, the central portion (N) of the column being simply a pillar or connecting piece of any convenient section between the upper and lower portions to which the cocks B and D are attached.

By this arrangement double communications are obviated and there is no need for what is known as "double shut off" in testing the accuracy of the gauge. When, however, the gauges are constructed in this manner, the cocks B and D are unreliable as test cocks in the event of there being no glass in the gauge. This feature should be carefully noted. Moreover, when in working condition, the reduction of pressure in the glass which arises when E is opened causes the water in pipe H to rise above its normal level. This objectionable feature should also be noted.

*Referring to Figure 5 only*

Sometimes there is a bend, L, in the steam pipe I leading from cock A to cock B. This has occasionally escaped observation when new boilers have been fitted on board ship. In most cases this bend arises from the pipe being led in an abnormal direction to escape other pipes, beams or fitting near the smoke-box. With such a bend the condensed steam collects in the pipe and falls to the bottom of the bend, and in time it completely fills the pipe from J to K. The steam from K down to the level of the water in the glass is thereby trapped and, as condensation proceeds, leads to a reduction of pressure in the pipe below that of the boiler and an equivalent rise of the water in the bend and also in the gauge glass. When the vessel is quiescent the water in the gauge glass increases in height until cock E is opened or until the pressure in the boiler is so much in excess of that in the lower part of pipe I as to cause the water in the bend to be blown into the gauge glass. In either case instantaneous change of water level in the glass ensues.

\*In the ordinary course of working, the phenomenon described above is more or less modified by the presence of air in the upper part of the gauge and by the rise and fall of the water in the boiler and gauge glass arising from the rolling or pitching motions of the vessel.

*Other Special Points to be Noted*

When cocks A and C are omitted, as in Figure 2, this is owing to the bore of the stand pipe being sufficiently large to enable it to be regarded as part of the boiler. Such pipes require, however, to be examined and cleared at intervals by passing a rod through the holes provided for the purpose at P.P. and Q.Q.

To face Appendix F.

PLATE I

Fig. 5.

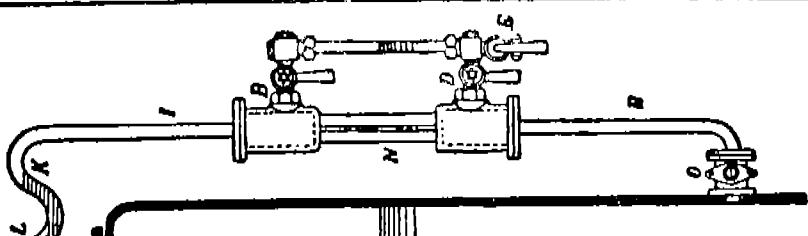


Fig. 4.

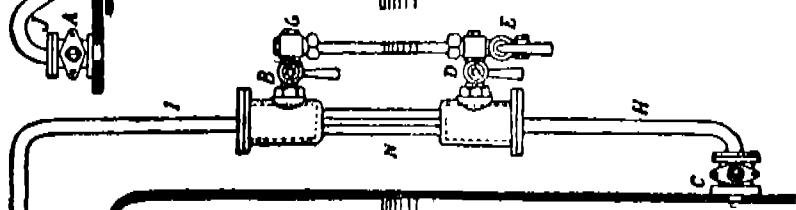


Fig. 3.

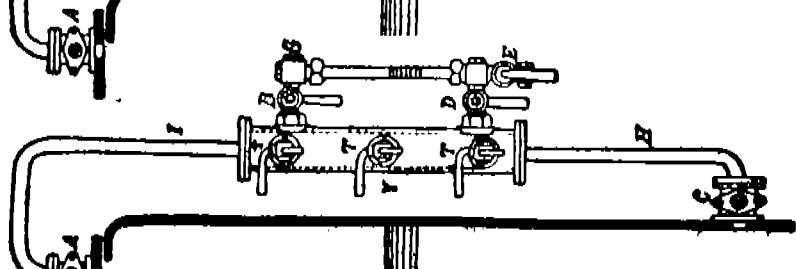


Fig. 2.

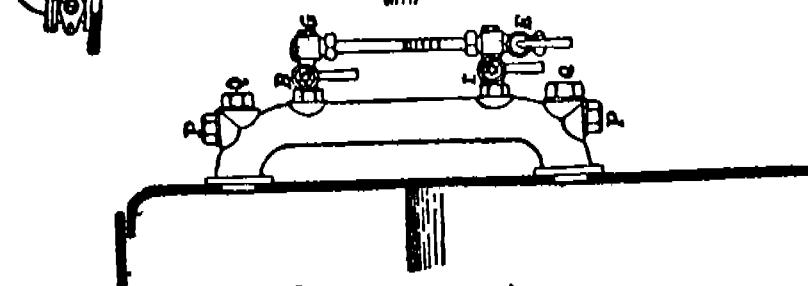
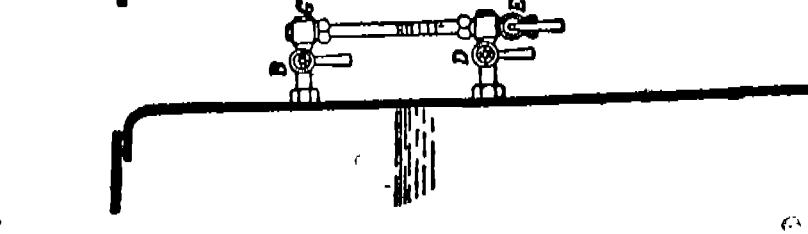


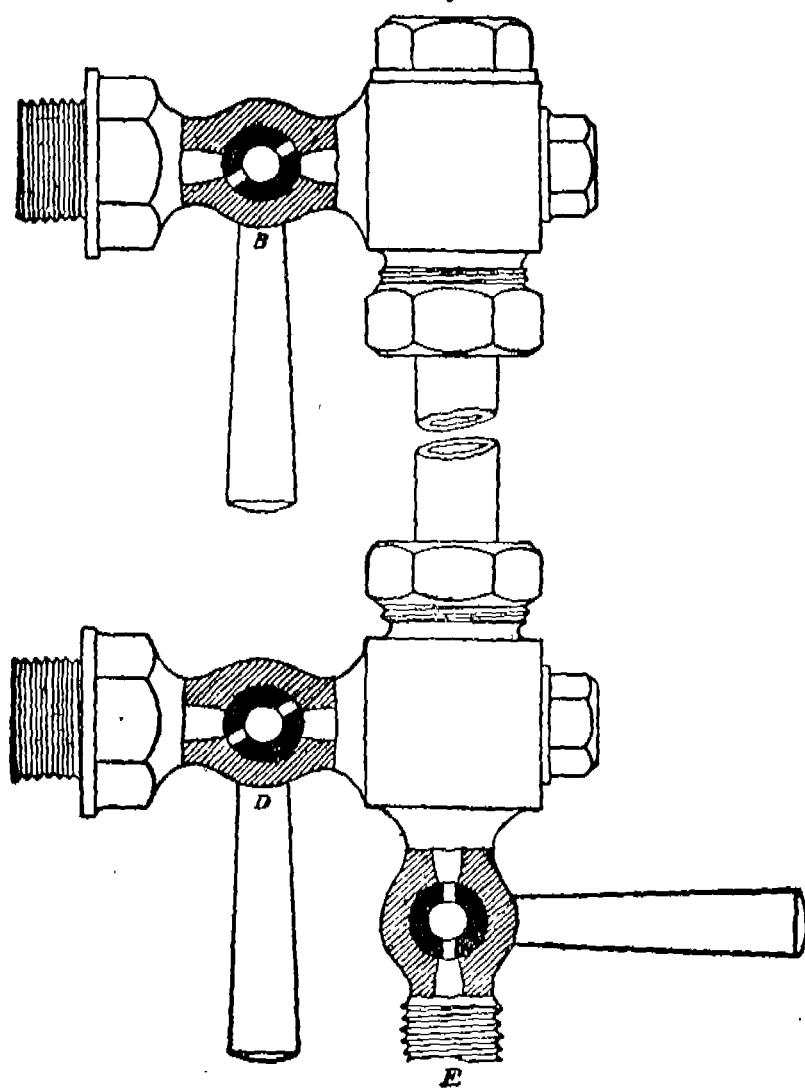
Fig. 1.



*To face Appendix F.*

PLATE 2

Fig 6.



Cocks at A and C are not necessary for the testing of gauges arranged as shown in Figures 4 and 5. Candidates, however, should be fully aware of the impossibility of testing the reliability of the indications of water-gauges arranged as in Figure 3 when the cocks A and C are absent, and of the effect which the choking of cock A or C, or pipe H or I, has on the indications of the test cocks T.T.T. when attached to column Y.

Many ships afloat are fitted with water-gauges as shown in Figures 3 and 4, and it is therefore specially important that engineer candidates should thoroughly understand their construction, the principle on which they act, and the steps which must be taken to keep them in an efficient condition.

When fitting a gauge glass into its place, it is specially important that it should not be placed so high as to prevent a clearing rod being inserted at G, Figures 1, 2, 3, 4 and 5. This defect, especially if it occurs in a water-gauge attached to a boiler subject to priming permits a rapid accumulation of scum around the top of the glass and results in the choking of the orifice leading from cock B to the gauge glass in each of the figures.

When a gauge glass is too short, or is placed either too high or too low in the fittings, it is also liable to become choked by the packing material being forced over its ends by the glands whilst being screwed up.

The use of unsuitable or insecure internal pipes in connection either with the ordinary glass gauge cocks of the description shown in Figure 1, or with test cocks which are joined to the boiler itself should also be carefully guarded against.

Boiler casualties have resulted from the cocks B and D having the parts wrongly placed as shown in Figure 6, Plate II. In one case of that kind, which forms the subject of the Report No. 208 under the Boiler Explosions Act, the engineer in testing the water-gauge omitted to see that the passages in the cocks B and D were clear when the handles were in their proper working position. This defect could easily have been discovered if proper attention had been paid to the condition of the cocks. A defect of this nature may be due to faulty construction originally, or to the handle of the cock having been overstrained, and the neck twisted. Whether the passages in the plugs are fair and clear can, however, be verified in a few minutes. As an illustration, the water cock D, Figure 6, Plate II, can be verified by blowing through E with B shut and then moving the handle of D to one side until it is just closed, and then to the other side until it is again just closed; the proper working position of the handle is about equally distant from each of the above positions. The other cocks can be verified in the same manner.

Another serious casualty occurred through the handle of the cock A, Figure 3 having been twisted from its original position relatively to the orifice of the cock resulting in the cock being shut when apparently opened.

When a water gauge, that is clear in all its parts, has been thoroughly blown through, the water in the glass rises above the level at which it formerly stood, immediately the drain cock E is closed, but if left undisturbed for a time it gradually falls to its former position. The amount of the rise which occurs on these occasions depends chiefly on the temperature of the contents of the boiler and on the length of the pipes by which column Y is connected top and bottom to the boiler, but in cases where the gauge is of the description illustrated in Figure 3, 4 and 5, it amounts in high pressure boilers to about 4 inches, while the time occupied by the water in returning to its former level ranges from 30 to 40 minutes. The cause of this rise is two fold, namely, (a) the displacement of the comparatively cold water in the pipe H by hotter and proportionately lighter water from the boiler, and (b) a slight condensation of the steam and a corresponding fractional reduction of pressure in pipe I. The cause of the gradual subsidence of the water in the glass to its former level is also of a dual character, namely, (a) the cooling of the water in pipe H, and (b) the diminution in the condensation of steam in pipe I owing to the collection therein of air released from the steam condensed.

These results will, however, be somewhat modified if the water in the boiler is of higher density than in pipe H and this will nearly always be the case owing to the condensation of the steam in the glass and upper fittings of the water gauge, causing the water in the lower part to be fresher than that in the boiler.

Candidates should understand the necessity for periodically blowing through the water-gauge on each boiler (no matter what the form may be) in a systematic and thorough manner, and in cases where a boiler is fitted with two water-gauges of keeping both in constant use; finally, they should realise the necessity for keeping the water-gauges well lighted, clean, and in all respects efficient.

## APPENDIX G

### *List of text books*

The books in the list below, from which a suitable choice may be made, are mentioned for the guidance of intending candidates for examinations for Certificates of Competency as Engineers in the Merchantile Marine, but candidates are advised to consult their teachers as to the text books they should study.

Title	Author	Publisher
Mathematics, 12s. 6d. . . . .	B. B. Low . . . . .	Longmans, Green & Co.
<b>Mathematics for Engineers --</b>		
Vol. I. 10s. 6d. . . . .	W. N. Rose . . . . .	Chapman & Hall, Limited.
Vol. II. 13s. 6d. . . . .	Do. . . . .	Do.
Applied Mechanics for Engineers. 12s. 6d.	J. Duncan . . . . .	Macmillan & Co. Ltd.
Mechanics for Engineers. 6s. 6d. . . . .	A. Morle . . . . .	Longmans, Green & Co.
Mechanics applied to Engineering 2v. 14s. 6d. and 16s. each.	J. Goodman . . . . .	Ditto.
Applied Mechanics. 12s. 6d. . . . .	D. A. Low . . . . .	Ditto.
Strength of Materials. 12s. 6d. . . . .	A. Morley . . . . .	Ditto.
Materials and Structures. 15s. . . . .	E. H. Salmon . . . . .	Ditto.
Mechanical Testing Vol. 1, 21s., Vol. 2 25s.	R. G. Batson & J. H. Hyde . . . . .	Chapman & Hall, Ltd.
Theory of Machines. 12s. 6d. . . . .	Toft & Kersey . . . . .	Sir Isaac Pitman & Sons Ltd.
Metallurgy. 17s. 6d. . . . .	E. Gregory . . . . .	Blackie & Son, Ltd.
Hydraulics and its Applications. 16s.	A. H. Gibson . . . . .	Constable & Co., Ltd.
Machine Drawing and Design. 7s. 6d.	W. Abbott . . . . .	Blackie & Son, Ltd.
Elements of Machine Design. 2 Vols. 12s. 6d. and 15s. each.	Unwin & Mallanby . . . . .	Longmans, Green & Co.
Steam and other Engines. 6s. . . . .	J. Duncan . . . . .	Macmillan & Co. Ltd.
The Theory of Heat Engines. 12s. 6d. . . . .	W. Inobley . . . . .	Longmans, Green & Co.
Steam Turbine Operation. 12s. 6d. . . . .	W. J. Kearton . . . . .	Sir Isaac Pitman & Sons, Ltd.
The Marine Steam Turbine. 30s. . . . .	J. W. M. Sothern . . . . .	The Technical Press.
Introduction to Internal Combustion Engineering. 6s.	J. B. O. Sneeden . . . . .	Longmans, Green & Co.
Diesel Engine Design. 21s. . . . .	H. F. P. Purday . . . . .	Constable & Company.
Marine Diesel Oil Engines. 45s. . . . .	J. W. M. Sothern . . . . .	The Technical Press.
Elementary Electrical Engineering. 7s. 6d.	Clayton & Shelley . . . . .	Longmans, Green & Co.
Electrical Technology. 12s. 6d. . . . .	H. Cotton . . . . .	Sir Isaac Pitman & Sons, Ltd.
Electricity for Marine Engineers. 5s.	W. S. Ibbetson . . . . .	E. & F. N. Spon, Limited.
Motor & Dynamo Control (Theory and Practice). 10s. 6d.	Do. . . . .	Ditto.
Text Book on Theoretical Naval Architecture. 15s.	E. L. Attwood . . . . .	Longmans, Green & Co.
Know Your Own Ship. 12s. . . . .	Thomas Walton . . . . .	Charles Griffin & Co. Ltd.
Construction and Maintenance of Steel Vessels. 30s.	Do. . . . .	Ditto.

Candidates are advised to read technical journals and the Transactions of their professional institutions. The following Circulars, etc., issued by the Mercantile Marine Department of the Board of Trade might also be read with advantage : Circular 1650—Precautions to be observed in the use of Oil Fuel. Circular 1677—Simultaneous use of coal and oil as fuel. Notice No. 106—Fires in Steamship bunker and cargo coal. Spontaneous Combustion—Notice M. 140—Prevention and extinction of fire on cargo ships. Notice M. 146, Prevention of fire in cargo ships using oil fuel, Special Report No. 5—Fires in Steamship Bunkers and Cargo Coal.

## APPENDIX H

### *Syllabus for Extra First Class Examination*

Candidates are expected to show a more extensive practical and theoretical knowledge of all the items in the syllabuses for First and second Class candidates, together with a higher knowledge of mathematics, including elementary calculus. Questions will be set to test the candidate's knowledge of technological investigations which have influenced engineering practice and important developments arising therefrom free from the limitations of the examination syllabus.

In addition to the foregoing, the candidate should be prepared to be examined in :—

- (a) his ability to write good English and to express himself suitably in reports and business letters or essays on subjects connected with his profession and in subjects of general interest ;
- (b) advanced theoretical and applied mechanics ; strength of materials ; theory of structures and metallurgy of iron and steel and of the non-ferrous metals used in marine practice ;
- (c) thermodynamics and properties of gases ; Rankine cycle, thermal efficiency and efficiency ratio ; solid, liquid and gaseous fuels ; calorimetry analysis by weight and volume of flue and exhaust gases ;
- (d) theoretical and practical naval architecture, principles and practice in ship construction and repairs ; determination of the locus of centre of buoyancy, metacentric heights ; centre of gravity ; statical and dynamical stability at large angles ; determination of the effect of free liquid on stability and trim and of loss of buoyancy with heavy or light cargo ; resistance and powering of ships ; analysis of speed trials ; steering ; the propeller theory ;
- (e) electrotechnology ; the general theory, operation and characteristics of D. C. and A. C. machinery and transformers, control gear, protective devices and instruments including energy meters ; the principal considerations governing the design and operating characteristics of those machines used for propulsion, their ancillary equipment and other auxiliary machinery used on board ship ; theoretical and practical consideration of the methods of power distribution ; lighting arrangements and gaseous discharge tubes ;
- (f) the theoretical principles, constructional details and operation of all type of engines, steam boilers and other pressure vessels, including safety valves, other mountings and fittings ;
- (g) engineering drawing and design ; to produce a working drawing of any part of marine machinery, boilers, mechanical equipment, parts of ship structure involving the arrangement of constituent members from given particulars. Two subjects will be given, one only to be attempted.

GOVERNMENT OF INDIA



**CERTIFICATE OF COMPETENCY**

19

# XTRA FIRST CLASS ENGINEER OF A STEAMSHIP

No.

To

Whereas it has been duly reported that you have been found qualified to fulfil the duties of FIRST CLASS ENGINEER of a Steam Ship in the Merchant Service, the President of India does hereby, in pursuance of Act XXI of 1923, grant you this Certificate of Competency.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_

Countersigned,

Registered in the

**Directorate-General  
of Shipping, Bombay.**

Secretary to the Government of India

N.B.—UNDER THE PROVISIONS OF HIS MAJESTY'S ORDER IN COUNCIL OF THE 17TH DECEMBER, 1931, ENTITLED THE MERCHANT SHIPPING (INDIAN CERTIFICATES OF COMPETENCY) ORDER, 1931, THIS CERTIFICATE OF COMPETENCY IS OF THE SAME FORCE AS IF IT HAD BEEN GRANTED UNDER THE MERCHANT SHIPPING ACT, 1894.

#### **ADDITIONAL QUALIFICATIONS**

Signature of Owner.....

Date of Birth.....

Place of Birth.....

Issued at the Port of \_\_\_\_\_ on the \_\_\_\_\_ day  
Officer.

*N.B.*--Any person other than the owner thereof becoming possessed of this Certificate is required to transmit it forthwith to the Principal Officer, Mercantile Marine Department, Bombay/Calcutta.

Part-209



**GOVERNMENT OF INDIA**

**CERTIFICATE OF COMPETENCY**

6

## FIRST CLASS ENGINEER OF A STEAM SHIP

No.

To

Whereas it has been duly reported that you have been found qualified to fulfil the duties of FIRST CLASS ENGINEER of a Steam Ship in the Merchant Service, the President of India does hereby, in pursuance of Act XXI of 1923, grant you this Certificate of Competency.

Dated, this \_\_\_\_\_ day of \_\_\_\_\_

18

**Countersigned.**

Registered in the

**Directorate-General  
of Shipping, Bombay.**

**Secretary to the Government of India.**

N.B.—UNDER THE PROVISIONS OF HIS MAJESTY'S ORDER IN COUNCIL OF THE 17TH DECEMBER, 1931, ENTITLED THE MERCHANT SHIPPING (INDIAN CERTIFICATES OF COMPETENCY) ORDER, 1931, THIS CERTIFICATE OF COMPETENCY IS OF THE SAME FORCE AS IF IT HAD BEEN GRANTED UNDER THE MERCHANT SHIPPING ACT, 1894.

#### **ADDITIONAL QUALIFICATIONS**

**Signature of Owner**

Date of Birth.

**Place of Birth.**

This Certificate is given upon an examination passed at

on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_.

**Issued at the Port of** \_\_\_\_\_ **on the** \_\_\_\_\_

**Officer.**

**Officer.**

This Certificate is liable to be cancelled or suspended by the appropriate Court or Tribunal under sub-section (5) of Section 478 of the Merchant Shipping Act, 1894 (57 and 58 Vict., Ch. 60) or by the Central Government under Section 260 of the Indian Merchant Shipping Act, 1923 (Act XXI of 1923). Any Engineer who fails to deliver up a Certificate which has been cancelled or suspended is liable to a penalty not exceeding Rs. 500.

*N.B.*—Any person other than the owner thereof becoming possessed of this Certificate is required to transmit it forthwith to the Principal Officer, Mercantile Marine Department, Bombay, Calcutta.

GOVERNMENT OF INDIA  
CERTIFICATE OF COMPETENCY  
AS  
FIRST CLASS ENGINEER  
OF A MOTORSHIP

15

Whereas it has been duly reported that you have been found qualified to fulfil the duties of FIRST CLASS ENGINEER, of a Motorship, in the Merchant Service, the President of India does hereby, in pursuance of Act XXI of 1923, grant you this Certificate of Competency.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_

**Countersigned.**

Registered in the  
Directorate-General  
of Shipping, Bombay.

Secretary to the Government of India.

N.B.—UNDER THE PROVISIONS OF HIS MAJESTY'S ORDER IN COUNCIL OF THE 17TH DECEMBER, 1931, ENTITLED THE MERCHANT SHIPPING (INDIAN CERTIFICATES OF COMPETENCY) ORDER, 1931. THIS CERTIFICATE OF COMPETENCY IS OF THE SAME FORCE AS IF IT HAD BEEN GRANTED UNDER THE MERCHANT SHIPPING ACT, 1894.

**Signature of Owner.**

#### **ADDITIONAL QUALIFICATIONS**

Date of Birth:

**Place of Birth:**

This Certificate is given upon an

**Examination passed at**

on the day of

19

Tagged at the Port of

on the \_\_\_\_\_ day of \_\_\_\_\_

19

**Officer.**

This Certificate is liable to be cancelled or suspended by the appropriate Court or Tribunal under sub-section (5) of Section 478 of the Merchant Shipping Act, 1894 (57 and 58 Vict., Ch. 60), or the Central Government under Section 260 of the Indian Merchant Shipping Act, 1923 (Act XXI of 1923). Any Engineer who fails to deliver up a Certificate which has been cancelled or suspended is liable to a penalty not exceeding Rs. 500.

*N.B.*—Any person other than the owner thereof becoming possessed of this Certificate is required to transmit it forthwith to the Principal Officer, Mercantile Marine Department,



**CERTIFICATE OF COMPETENCY**

A 5

## FIRST CLASS ENGINEER

## OF A STEAMSHIP AND MOTORSHIP

No.

T<sub>0</sub>

Whereas it has been duly reported that you have been found qualified to fulfil the duties of FIRST CLASS ENGINEER, Steamship and Motorship, in the Merchant Service, the President of India does hereby, in pursuance of Act XXI of 1923, grant you this Certificate of Competency.

- Dated, this \_\_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_\_.  
Countersigned.

Registered in the

N.B.—UNDER THE PROVISIONS OF HIS MAJESTY'S ORDER IN COUNCIL OF THE 17TH DECEMBER, 1931, ENTITLED THE MERCHANT SHIPPING (INDIAN CERTIFICATES OF COMPETENCY) ORDER, 1931, THIS CERTIFICATE OF COMPETENCY IS OF THE SAME FORCE AS IF IT HAD BEEN GRANTED UNDER THE MERCHANT SHIPPING ACT, 1894.

**Signature of Owner.**

Date of Birth.

**Place of Birth.**

This Certificate is given upon an

### **Examination passed at**

on the day of

19.

Issued at the Port of

on the day of

19

Officer.

This Certificate is liable to be cancelled or suspended by the appropriate Court or Tribunal under sub-section (5) of Section 478 of the Merchant Shipping Act, 1894 (57 and 58 Vict., Ch. 60), or by the Central Government under Section 260 of the Indian Merchant Shipping Act, 1923 (Act XXI of 1923). Any Engineer who fails to deliver up a Certificate which has been cancelled or suspended is liable to a penalty not exceeding Rs. 500.

*N.B.*—Any person other than the owner thereof becoming possessed of this Certificate is required to transmit it forthwith to the Principal Officer, Mercantile Marine Department, Bombay.

Part 207

720 G. of I

**GOVERNMENT OF INDIA**



**CERTIFICATE OF COMPETENCY  
AS  
SECOND CLASS ENGINEER  
OF A STEAM SHIP**

No.

T<sub>a</sub>

Whereas it has been duly reported that you have been found qualified to fulfil the duties of SECOND CLASS ENGINEER of a Steam ship in the Merchant Service, the President of India does hereby, in pursuance of Act XXI of 1923, grant you this Certificate of Competency.

Dated, this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_.

**Countersigned.**

Registered in the

**Directorate-General  
of Shipping, Bombay.**      Secretary to the Government of India.

*N.B.—UNDER THE PROVISIONS OF HIS MAJESTY'S ORDER IN COUNCIL OF THE 17TH DECEMBER, 1931, ENTITLED THE MERCHANT SHIPPING (INDIAN CERTIFICATES OF COMPETENCY) ORDER, 1931, THIS CERTIFICATE OF COMPETENCY IS OF THE SAME FORCE AS IF IT HAD BEEN GRANTED UNDER THE MERCHANT SHIPPING ACT, 1894.*

#### **ADDITIONAL QUALIFICATIONS:**

**Signature of Owner:**

Date of Birth.

**Place of Birth.**

This Certificate is given upon an

**Examination passed at**

on the day f

19

Issued at the Port of

on the day of

19

**Officer.**

This Certificate is liable to be cancelled or suspended by the appropriate Court or Tribunal under sub-section (8) of Section 478 of the Merchant Shipping Act, 1894 (57 and 58 Vict., Ch. 60), or by the Central Government under Section 280 of the Indian Merchant Shipping Act, 1923 (Act XXI of 1923). Any Engineer who fails to deliver up a Certificate which has been cancelled or suspended is liable to a penalty not exceeding Rs. 500.

*N.B.*—Any person other than the owner thereof becoming possessed of this Certificate is required to transmit it forthwith to the Principal Officer, Mercantile Marine Department.

BOMBAY

Calcutta.

Port—14



**GOVERNMENT OF INDIA**  
**CERTIFICATE OF COMPETENCY**

AS  
SECOND CLASS ENGINEER  
OF A MOTORSHIP

No.

To

Whereas it has been duly reported that you have been found qualified to fulfil the duties of SECOND CLASS ENGINEER of a Motorship in the Merchant Service, the President of India does hereby, in pursuance of Act XXI of 1923, grant you this Certificate of Competency.

Dated, this \_\_\_\_\_ day of \_\_\_\_\_

**Countersigned.**

Registered in the

*N.B.—*—UNDER THE PROVISIONS OF HIS MAJESTY'S ORDER IN COUNCIL OF THE 17TH DECEMBER, 1931, ENTITLED THE MERCHANT SHIPPING (INDIAN CERTIFICATES OF COMPETENCY) ORDER, 1931, THIS CERTIFICATE OF COMPETENCY IS OF THE SAME FORCE AS IF IT HAD BEEN GRANTED UNDER THE MERCHANT SHIPPING ACT, 1894.

## **ADDITIONAL QUALIFICATIONS.**

**Signature of Owner.**

Date of Birth.

**Place of Birth.**

This Certificate is given upon an  
Examination passed at

on the day of

Issued at the Port of

19 .

19

**Officer**

This Certificate is liable to be cancelled or suspended by the appropriate Court or Tribunal under sub-section (5) of Section 478 of the Merchant Shipping Act, 1894 (57 and 58 Vict., Ch. 60), or by the Central Government under Section 260 of the Indian Merchant Shipping Act, 1923 (Act XXI of 1923). Any Engineer who fails to deliver up a Certificate which has been cancelled or suspended is liable to a penalty not exceeding Rs. 500.

N.B.—Any person other than the owner thereof becoming possessed of this Certificate is required to transmit it forthwith to the Principal Officer, Mercantile Marine Department, Bombay.

Bombay.  
Calcutta

Port—18



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New Delhi, the 31st January 1952

**S.R.O. 241.**—In partial modification of the late Ministry of Commerce Notification No. 30-M.II(7)/49-M.T., dated the 5th August 1950, the following members have been nominated to the Merchant Seamen's Amenities Fund Committee:

Shri S. K. Ghosh, Deputy Secretary to the Government of India, Ministry of Transport, vice Shri H. C. Sarin, I.C.S., Vice-Chairman.

Captain R. S. David, I.N. vice Captain (then Commander) M. K. Heble, I.N.

[No. 45-M.T(1)/52.]

LACHHMI NARAIN, Asst. Secy.

### MINISTRY OF COMMUNICATIONS

#### POSTS AND TELEGRAPHS

New Delhi, the 30th January 1952

**S.R.O. 242.**—In exercise of the powers conferred by section 21 of the Indian Post Office Act, 1898 (VI of 1898), the Central Government hereby directs that the following further amendment shall be made in the Indian Post Office Rules, 1933, namely:—

In sub-rule (1) of rule 35 of the said Rules, between the words "wooden" and "case", the words "or a stout card board" shall be inserted.

[No. C-40-114/50.]

K. V. VENKATACHALAM, Dy. Secy.

### MINISTRY OF WORKS, PRODUCTION & SUPPLY

#### CENTRAL BOILERS BOARD

New Delhi, the 30th January 1952

**S.R.O. 243.**—In exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), the Central Boilers Board hereby directs that the following further amendment shall be made in the Indian Boiler Regulations, 1950, the same having been previously published as required by sub-section (1) of section 31 of the said Act, namely:—

In regulation 382 of the said Regulations, to the list of the States with their distinguishing letters, the following States with their distinguishing letters, shall be added, namely:—

Hyderabad .....	H.D.
Madhya Bharat .....	M.B.
Mysore .....	M.Y.S.
Patiala and East Punjab States Union .....	P.U.
Rajasthan .....	R.J.
Saurashtra .....	S.R.
Travancore-Cochin .....	T.C."

[No. M/BL-12(6)-Part-II.]

N. P. DUBE, Secy.

Central Boilers Board.

New Delhi, the 31st January 1952

**S.R.O. 244.**—In pursuance of clause (a) of section 2 of the Government Premises (Eviction) Act, 1950, (XXII of 1950), the Central Government hereby authorises the Chairman Improvement Trust, Delhi, to perform the functions of a competent authority under the said Act in respect of lands belonging to the Improvement Trust, Delhi.

[No. 969-WII/52.]

New Delhi, the 5th January 1952

**S.R.O. 245.**—In pursuance of clause (a) of section 2 of the Government Premises (Eviction) Act, 1950 (XXVII of 1950), the Central Government hereby authorises each of the officers mentioned in column 1 of subjoined table to perform the

functions of a competent authority under the said Act in respect of the Government Premises in the area specified in the corresponding entry in column 2 of the said table.

### THE TABLE

Designation of Officer	Area
Collector of Delhi . . . . .	The whole of the State of Delhi.
Estate Officer, New Delhi . . . . .	The whole of the State of Delhi.
Joint Estate Officer, New Delhi . . . . .	The whole of the State of Delhi.

[No. 1134-WII/52.]  
N. P. DUBE, Dy. Secy.

### MINISTRY OF LABOUR

New Delhi, the 29th January 1952

S.R.O. 246.—In exercise of the powers conferred by section 6 of the Mica Mines Labour Welfare Fund Act, 1946 (XXII of 1946), the Central Government hereby directs that the following further amendments shall be made in the Mica Mines Labour Welfare Fund Rules, 1948, namely:—

In the said Rules, in rule 3, after sub-rule (3) the following sub-rule shall be added, namely:—

“(1) (a) The Advisory Committee for the State of Ajmer shall consist of the following members, namely:—

- (i) the Deputy Commissioner, Ajmer;
- (ii) the Labour Officer, Ajmer;
- (iii) one representative of the Central Government;
- (iv) a member of the Ajmer Legislative Assembly (when it is constituted) nominated by the Central Government on the recommendation of the Government of Ajmer;
- (v) two persons nominated by the Central Government, in consultation with the associations, if any, representing mica mine owners of Ajmer;
- (vi) two persons nominated by the Central Government to represent the interests of workmen employed in the mica mining industry of Ajmer;
- (vii) a woman nominated by the Central Government, if no woman has been nominated under clause (vi).

(b) The Deputy Commissioner, Ajmer, shall be the Chairman of the Advisory Committee for the State of Ajmer and the Vice-Chairman of the Committee shall be appointed by the Central Government from among other members.”

[No. M.21(25)]

New Delhi, the 30th January 1952

S.R.O. 247.—In exercise of the powers conferred by section 4 of the Mica Mines Labour Welfare Fund Act, 1946 (XXII of 1946), read with sub-rule (3) of rule 3 of the Mica Mines Labour Welfare Fund Rules, 1948, the Central Government hereby constitutes the Advisory Committee for the State of Rajasthan consisting of the following members, namely:—

(1) The Labour Commissioner, Rajasthan	Chairman
(2) The Regional Labour Commissioner (Central), Ajmer.	Representative of the Central Government.
(3) Shri P. V. Chanchalekaran . . . . .	Representatives of the mine owners of Rajasthan.
(4) Shri Krishna Lal Baldev . . . . .	
(5) Shri Ramesh Chandre Vyus . . . . .	Representatives of workmen employed in the mica mining industry of Rajasthan.
(6) Shri Gopal Prasad . . . . .	
(7) Shrimati Kanta Devi Shrotriya . . . . .	Woman Representative.

[No. M-21(149)]

*New Delhi, the 30th January 1952*

**S.R.O. 248.**—In exercise of the powers conferred by section 4 of the Mica Mines Labour Welfare Fund Act, 1945 (XXII of 1946), read with sub-rule (4) of rule 4 of the Mica Mines Labour Welfare Fund Rules, 1948, the Central Government hereby constitutes the Advisory Committee for the State of Ajmer consisting of the following members, namely:—

(1) The Deputy Commissioner, Ajmer	Chairman.
(2) The Labour Officer, Ajmer.	
(3) The Regional Labour Commissioner (Central), Ajmer.	Representative of the Central Government.
(4) Shri F. C. Framji	Representatives of the Mine Owners of Ajmer.
(5) Shri B. Jagchand Soni	Representatives of the workmen employed in the mica mining industry of Ajmer.
(6) Shri Mohd. Aslam.	
(7) Shri Modu.	
(8) Shrimati Prabha Misra.	Woman representative.

[No. M-21(1)49.]

*New Delhi, the 5th February 1952*

**S.R.O. 249.**—In exercise of the powers conferred by clause (a) of sub-section (1) of section 3 read with clause (i) of sub-section (1) of section 4 and sub-section (2) of section 5 of the Minimum Wages Act, 1948 (XI of 1948), the Central Government hereby fixes the minimum rates of wages in respect of each class of workcharged staff specified in the Schedule annexed hereto and employed under the authority of the Coal Mines Welfare Commissioner, Dhanbad, the same having been previously published as required by clause (b) of sub-section (1) of section 5 of the said Act.

2. The aforesaid minimum rates of wages shall take effect from the date of this notification.

#### *Schedule*

Serial Number	Class of employees	Minimum monthly basic rate of wages
1.	Work Sircar	60
2.	Chowkidar	30
3.	Night Guard	30
4.	Khalasi	30
5.	Bhisty	30
6.	Mali	30
7.	Sweeper	30
8.	Steam Road Roller or Lorry Driver	60
9.	Carpenter	60
10.	Blacksmith	60
11.	Mason	75
12.	Mazdoor	30
13.	Plumber	75
14.	Cleaner	30
15.	Pump Driver	60

*Note.*—The cost of Living Allowance will be admissible at the following rates, to be adjusted at such intervals and in such manner as the Central Government may direct:—

#### *Wages*

Upto Rs. 50/- p.m.  
From Rs. 51 to Rs. 100 (inclusive) p. m.

#### *Cost of Living Allowance*

Rs. 40/- p.m.  
Rs. 50/- p.m.

[No. LWI-24(74).]

P. N. SHARMA, Under Secy.

New Delhi, the 30th January 1952

**S.R.O. 250.**—In exercise of the powers conferred by sub-section (5) of section 1 read with section 24 of the Payment of Wages Act, 1936 (IV of 1936), the Central Government hereby gives three months' notice of its intention to extend the provisions of the said Act, except sub-section (4) of section 8 thereof, which at present extend to the payment of wages to all classes of persons employed in mines (to which the Indian Mines Act, 1923, applies) in certain parts of India, to the payment of wages to all classes of persons employed in mines (to which the Indian Mines Act, 1923, applies) in the rest of India except the State of Jammu and Kashmir.

[No. Fac.52(18).]

New Delhi, the 1st February 1952

**S.R.O. 251.**—In exercise of the powers conferred by sub-section (3) of section 1 of the Employees' State Insurance Act, 1948 (XXXIV of 1948), the Central Government hereby appoints the 24th day of February, 1952, as the date on which the provisions of Chapters IV (except sections 44 and 45 thereof which have already been brought into force) and Chapters V and VI of the said Act shall come into force in the State of Delhi and the Kanpur area of the State of Uttar Pradesh.

*Explanation.*—‘Kanpur Area’ means the area within the jurisdiction of the Kanpur Municipality, the Cantonment Board, Kanpur, and the Notified Area Committee of Juhu and the area comprising the villages of Jajmau (Bazidpur), Gajjopurwa and Muzzallarpur in Tehsil Kanpur.

[No. SS.121(56).]

**S.R.O. 252.**—Whereas in order to give effect to the provisions of Chapter VA of the Employees' State Insurance Act, 1948, it is necessary to amend the Employees' State Insurance (General) Regulations in certain respects;

Now, THEREFORE, in exercise of the powers conferred by section 73-H of the Employees' State Insurance Act, 1948 (XXXIV of 1948), the Central Government hereby makes the following Order:—

1. *Short title and commencement.*—(1) This Order may be called the Employees' State Insurance Regulations (Temporary Amendments) Order, 1951.

(2) It shall come into force on the 24th February 1952 and shall remain in force only so long as Chapter V-A of the Act is in force.

2. *Definitions.*—In this Order, ‘Act’ means the Employees' State Insurance Act, 1948 (XXXIV of 1948).

3. *Temporary amendments of regulations.*—So long as the provisions of Chapter V-A of the Act are in force the Employees' State Insurance (General) Regulations, 1950, shall have effect subject to the following modifications, namely:

(1) To clause (f) in regulation 2, the following shall be added, namely:—

“and shall include for the purpose of these regulations a token stamp issued to indicate that a contribution would have been payable in respect of an exempted employee if the provisions of Chapter V-A were not in force”

(2) to Regulation 29, the following proviso shall be added, namely:—

“Provided that in the case of an exempted employee in respect of whom contribution would have been payable if the provisions of Chapter V-A of the Act had not been in force, the fact that such contribution would have been so payable shall be indicated by affixing a token stamp on the contribution card of that employee in the space provided for the purpose”.

(3) to Regulation 31, the following proviso shall be added, namely:—

“Provided that, in the case of an exempted employee the token stamp in respect of any week shall be affixed within such time as the contribution in respect of that week would have been payable if the provisions of Chapter V-A had not been in force”.

(4) for Regulation 35, the following regulation shall be substituted, namely:—

"35. *Reasons for non-payment of contributions.*—Where no contribution is payable or in the case of an exempted employee, so long as Chapter V-A is in force, where no token stamp is affixed in respect of a week or weeks in any contribution period, the reason for non-payment or non-affixation shall be clearly indicated in writing in the space provided for affixing stamps for recording contributions".

(5) In form 2, in the tabular statement under the heading "summary of stamps affixed/or contribution paid", in column (2) for the figures "0-7-0", "0-9-0", "0-12-0", "1-2-0", "1-8-0", "2-1-0", "2-13-0", "3-12-0", the words and figures "Nil", "0-2-0", "0-4-0", "0-6-0", "0-8-0", "0-11-0", "0-15-0", "1-4-0" shall respectively be substituted.

(6) In Form 6, in the heading in column 4 of the table, an asterisk shall be inserted over the words "paid contributions" and the following shall be added at the end of the Form, namely:—

"the total number of token stamps affixed shall be included in this sub-column under the heading 'number'".

[No. SS.121(60)A.]

**S.R.O. 253.**—In pursuance of the powers conferred by sub-section (3) of section 73-A of the Employees' State Insurance Act, 1948 (XXXIV of 1948), the Central Government hereby fixes the employers' special contribution with effect from the 24th day of February 1952, as follows:—

- (i) the rate of employer's special contribution in the case of factories or establishments situated in an area in which the provisions of both chapters IV and V are in force shall be 1½ per cent. of the total wage bill of the employer.
- (ii) the rate of employer's special contribution in the case of factories or establishments situated in an area in which the provisions of the said chapters are not in force shall be ¾ per cent. of the total wage bill of the employer.

[No. SS.131(9).]

#### ORDER

New Delhi, the 31st January 1952

**S.R.O. 254.**—Whereas the Central Government is of opinion that an industrial dispute exists between the Punjab National Bank Ltd., and its workmen represented by the Punjab National Bank Employees Union, Jullundur City in respect of the matter specified in the Schedule hereto annexed;

And whereas the Central Government considers it desirable to refer the dispute for adjudication;

Now, therefore, in exercise of the powers conferred by section 10 of the Industrial Disputes Act, 1947 (XIV of 1947), the Central Government hereby refers the said dispute for adjudication to the Industrial Tribunal at Calcutta constituted under Section 7 of the said Act.

#### Schedule

Whether the termination of the services of Shri Ram Chand, Shri Madan Lal Bhalla and Shri Lekh Raj Schgal from the Jammu Branch of the Punjab National Bank was justified and, if not, what relief should be granted to them.

[No. LR-100(11).]

S. NEELAKANTAM, Dy. Secy.